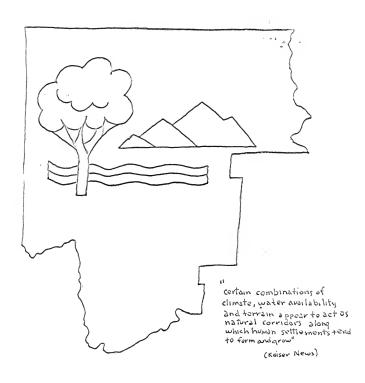
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FIRST YEAR STUDY PLAN



Lincoln County United Planning Board

FIRAL REPORT

Lincoln County First Year Flanning Program

repared For;

Lincoln County United Planning Board

3v;

LCU23

clanning Staff

Clanning Director . . . Dan Garvin

Secretary Connie Radish

[&]quot;The preparation of this document was financed in part through an urban planning grant from the Department of Housing and Urban Development, under provisions of Section 701 of the Housing Act of 1954 as a mended. Troject Fo. Lontana C.L.—TD-08-00-0062 (702H). Prepared under contract for the Division of planning and bonomic Development, fatte of ontana, and the bincoln County United Planning Board."

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Table of Contents

General Description, Introduction, Goals
Subdivision Ordinancell
Housing Study12
Demographics Population Statistics, Existing - Projected60
Economic Base Study67
Land Use95
Appendix
A. Sublic Aducation and Information
3. Current Flamming and teferrals
C. Aconomic Base Survey



Descriptions

Lincoln County, formed in 1920, is located in the east north vectors area of the State of Louisnas. The County contains 3715 square miles or 2,377,600 cores, is wars or less rectonular in the w, and is bordered to the north by Cauada's revince of British Columbia, to the west by the State of Ideha, to the south by Sandors County and has as its sestern neighbor the County of Flathead.

Jajor access routes to Lincoln County are provided by U.S. Wighways 193 and 22 both of which are criented to Forthwest - Southcost traffic, although (nationally) highway 2 is an east - west link and highway 93 is a north - south connector. Lincoln County's two population conters, located 65 miles event, are connected by State highway 37. The Burlington Forthern Reil-road offers convice to the County. There is no resular sir service located in Lincoln County, however, there are three public lending fields located one pear each of the larger incorporated communities of Jureka, Libbs, and Tray.

hinchn County is essentially a just forest mange contares owned, for the most part, by the federal government. The secondary industries include for sing, reaching, and sining and re-resent the remainder of the commonic base. The largest single lumber will in location and the largest versiculite mine in the base are located in himself County. Tory recently the

Lootenai river, was major drained e in the county, has been faued, just northeast of Libby. The resulting reservoir, when full, is 50 tiles long and winds its way north through the normal Mootener Valley and canyon to spill for 40 miles of its length into the broader Mooteney Valley in 3.0. Grands. The Dam has successfully reduced the flood hazards and will soon be producing over for the Bonneville grid. The reservoir will provide a diversified exportunity for mater a arts and recreation is coming years.

To ographically, Lincoln County lies across the faothill and vover vesters reages of the great docty Sountains. Deer, fairly corrow tertically valleys bised the county offering about 20% of the land area for human settlement and travellooper-tunities. The Arabatic to some his variation creates lynamic weather authorise. For example, the recipitation varies from about 20 faches for year in the valley floors to over 100 inches par year on the countain to so the - 70° love in winter slowly live way to +100° tea creatures in some leaving a fort regime season but creating a postscell regime, water displays and full colors.

Introd .ction:

The uncontential prouth of our rural area down, the last fifty years has read itside a wast ourser of interrelate. This

These include decentralized regional population, disallocation of our resources, housing shortages, rural and urban slums, and degeneration of our environment. Heretofore, we have failed to control or influence these areas due to the following factors:

A lack of comprehensive information on a broad and interrelated regional basis;

The accelerating (routh rate of our industrial activities, nogulation base, and associated social, hysical and environmental problems;

The increased time necessary to formulate and implement solutions due to increased complexity.

These factors have combined to make our emisting planning practices cumbersome and absolute. If this trend is to be reversed, it will require the development of comprehensive planning processes and management vehicles that are continuous in noture and that can formulate and implement solutions as fast as those problems are recognized.

Lincoln County and its four incorporated municipalities have attempted, on an individual basis, to plan their future development. Thile each of these individual programs have provided a basis for decision unting on a local basis, none were designed to provide a regional over view. In recognition of the need to formulate interpresental solutions to county-wide problems, the bincoln County United Tlauming Board was formed in 1973. Its pass were:

We establish an arency, based u on the principal of equality of membership, to randy and identify those mutual problem areas requiring action on an area-wide basis;

To fevelop long-range class for the most effective course of action to meet those meeds;

To implement these solutions by cooperative working agreements utilizing LCUPD as a vehicle for implementation rather than as a substitute for local governments.

During the past year, LCU/O has worked with its momber cities and Lincoln County to promote these goals. As part of this effort, LCU/O has aided in the formulation of Juni: Car Plan - Solid Waste Systems - American Studies and Subdivision Regulations.

The planning system outlined in this work program is the result of these guidlines, the immediate needs of Lincoln County, and the known funding philosophy of the respective federal agencies.

General Solutions:

The basic arross of a planning process is to predict the growth rate of various societial activities and Revelous controllers to increate their levelousest in an orderly and economical fashion in expect with available resources. In the bast, planners have utilized relative growth rate information to develop resear based on discreet steed. A mescaled time frame of 20 to 25 years was adopted and a regard was designed to post estimated made for that period. It the

end of each planning period, information was re-evaluated and a new comprehensive plan was prepared for the next time frame. Throughout this process the analytical tools, information systems, and management vehicles were of secondary importance because they were considered only as a means to an end. The relevancy of the proposals in the comprehensive plan, but not necessarily the degree of implementation, depended on the planners success in predicting the areas future needs at one point in time.

In addition, it must be recognized that any plan, no matter how valid and accurate it might appear then written, can be rendered obsolete by a number of factors outside the control of the local agencies. Generally these comprehensive plans have been argued by outside consultants who failed to document the analytical tools and information systems used to develor the plan. The obvious result of such an approach is that the local juristication, not having access to the consultants decision making criteric, analytical proceedures, and information systems, was left with a static plan limits' to major overhead at great expense.

Solutions for Lincoln County;

It is oparent, for the following reasons, that the converbensive plan must be more dynamic and responsive to change

than has been the case in the past,

It depends on outside factors and thus necessitated constant revision, technicological change, specifically the repid growth rate of our industrialized society, has shortened the allowable planning period.

Therefore, the mechanisms and tools have court, if not more, importance than the plan itself, at least during the formation staces.

The staff is not implying that it intends to neglect the plan, a workable and viable plan is still the only valid output of the planning process, we are merely trying to put the two in their proper perspective. The program described in this report, therefore, shifts every from the planning base on discreet steps to a dynamic and continuing process.

Objectives;

The overall objective of the staff's approach is the formulation of a continuous planning process that will emintain its vitality beyond the life of this roject. The specific project objectives are base on.

The development of such a process,

The legisting solutions to the roblem outlined in the first steps in this works,

. " responding to the six fundamental purposes of a comprehensive desails report to defined by the securitient of Manning and Urban Beyele sent.

In otherwords, the planning board proposes to;

Develop a dynamic information system that will be capable of heeping necessary data up to date so as to permit a continuous re-examination of the plan and its principal elements.

Develop a decision making process and management system that is, Receptive to the community goals,

Effective in formulating action policy decisions,

Capable of utilizing the I.S. to permit re-evaluation of the plan, $% \left(1,0\right) =0$

. Whe to promote and inclement the plan within the given covernmental restraints.

Prepare a comprehensive plan for Lincoln County that;

Sets forth principal goals for future socio and economic and physical development,

Recommends a program to achieve these goals,

Provides a plan of action for their implementation.

The Lincoln County United Planning Board approach to the planning process is based upon a close working relationship between stoff planning board genbers, and the general public.

Program Design;

Trogrem design is principally concerned with evaluating the elements of a comprehensive when and assigning a special level of effort and priority to each element. These assignments and priorities are based on community goals, immediate needs,

and connectibility with program design and funding requirements of the respective federal agencies. We have attempted to integrate the basic requirements for comprehensive planning into our basic program design. The actual assignments have been completed by the senior member of the Lincoln County staff. The basic responsibility of this effort includes but is not limited to: Astablishment of an administrative organization for the program, definiation of research requirements and emphasis outline of a manuour utilisation schedule for the planning board staff, establishment of a budget control system.

Concurrent with this administrative and programming effort a survey of date availability has been unfortaken. Emisting information levels and new research requirements were examined and evaluated by means of the planning studies information propaged by the Northwest Montana Regional Planning Passociation.

that the most practical assignments would be base. On a veried approach. Such an approach requires (bearing) the depth of research and the level of effort devoted to each respective element of the general plan. Specifically, we recombed that one or two elements of the general plan be carried than hold the fullementation stage during the course of the first year. The

advantage of such an approach will; alleviate the county's most pressing needs, provide Lincoln County with the experience of formulating and implementing a specific plan from a given information base, document these techniques so that the process can be duplicated in implementing other segments of the general plan, test of validity of the continuous planning process. First Year Study Design:

The major study content of this document includes statements on Land Use, Mousing, Demographics, and Reconomics.

The land use planning element contains research in the areas of public facilities and utilities, urban and rural land use patterns, the transportation framework, physical limitations, and recreational opportunity. The land use data that is just into the text of this report has been distilled from a broad array of data sources. The trends and limitations defined and the opportunities recommended here are preliminary in nature and will require additions to exterial and enalysis in the future. The housing study reports housing condition and availability. The recommendations of this study are convechensive and implementation proceedures clearly cutlined. Independent defined. The reatest obstacle to plan inclementation is the lack of official housing structure standards. Without viable standards want federal programs for low income loans and grants to support a code

enforcement programs are impossible.

Demographically speaking, the enclosed research defines and predicts existing condition and future trends of outlation. Upon this base rests the relevancy of every recommended action in every plan element within this and future plans. Economics - A base plan to define economic dynamics and interrelationships. This element contains the development of a continuing system to define and understand major industrial activity and governmental influence. Such an understanding will direct us to the formula for diversifying and stabilizing the major money input in this county.

Goals - One shining statement rings from the mountain tops to the valleys "protect individual freedom". The staff will define therefore, as for common resonabilities as possible.

Homefully, the common purposes and implicit responsibilities will stabilize and conserve our human and physical resources.

Specific goals stateme as till precood and control each rejurdanting element.

PLANNING ELECTIF I. SUBDIVISION ORDINANCE

Goal Statement:

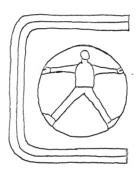
Develop as simple and as equitable a subdivision ordinance as possible while insuring accrimum protection to county resources.

Subdivision Ordinance Recommendation:

The staff has recommended to the county Planning Board that the minimum Official State of Montana standards for regulating the subdivision of land to be ado; ted prior to the July 1 deadline. Substantial work was done to establish a comprehensive adaptation of the '73 ledislation "SD 208" for county needs. However, with the new '74 legislative chan a "UB 1017" those has been insufficient time to get the official law chances incorporated into the staff's original proposal, distributed, and get review and approved by a wide cross section of interested citizens.

The staff prepared subdivision regulations will continue to be reviewed by concerned persons and organisations so that the adopted minimum regulations may be made more comprehensive within the next fiscal year. Copies of the staff recommendations are included in the static appendix to this text.





Shells-Tris is defined as shelter in any of its forms, natural or man-made. They are systems for homeostadia support of an organism whose tolerance to boding Thermal change is narrow. Secondary functions performed by shelter are biological, social, and communicative

(Kaiser News)

PLANTING ELEMENT II. HOUSING STUDY

Goals:

A strong bias by rural property owners "not to be categorized" has lead to the strict application of the definition for neithborhood. Therefore, except as the rural individual housing units are generally documented within the enumeration district limits of the 1970 census reports, no staff survey has been conducted in the "rural" community, except where four or more units are located within an area disheter of 660 feet. The "goal" and direction of the housing study as reflected in the public meetings and individual contacts is sindy to define the coaron responsibility for housing where resple have chosen "to live in toum". The choice to live in "toum", it is felt, st ests some individual responsibility to the community at large. Common responsibility for water and sever service, and fire rotection have been get in the incorporated towns. There continues to be substantial disagreement about the individual "right" to abandon or live in substantially deteriorated structures then such structures delene surrounding property values and contribute to the "blicht" of a neighborhood and the larger co munity. The staff role in this debate will be to seek to micro conclusions based whom the evidence of this report.

Study ethods:

The basis for this study are the staff neighborhood, individual housing surveys, and the U.S. 1,70 census counts [1 and 14. The theory for developing this study by the staff is that the most obvious problems of housing conditions should be so wed first. Therefore, using the following format and the re condition of joal, the staff time was allocated using a screening rocess to define the " minary areas of concern". DLIGHT PROFIL 1:

That is Blight: Blight is a broad term for a very con lon cause and effect relationship. Intil we know more shout these cause and effect relations, we can oddy deal with visible signs based on 'moun economic and social common sense treating both cause and effect.

Generally, blight is defined as economic, functional, and thysical deterioration or obsoler ence. Romowic, in that supply and lemand have eliminated such areas from a healthy market. Punctional, in that wave had become limited and inflemible. but daysical, in back decay is evident.

P. Steart the is feels that we will fill the simple on comder forms of Might. "Sinke forms of Mi ht help's such physical characteristics as structural deterioration, missian somitation facilities, structures in accumulations in yards.

Adverse environmental influences such as noise, odd playgrounds, public water and sewage systems, and adequate street and drain facilities. Usually associated with simple forms of physical blight are certain social and economic indicators of blight. Social indicators of blight include presence of abnormally high rates of juvenile delinquency, veneral disease, and similar results from other health and welfare indices; and economic indicators include concentrations of tax-delinquent and tax-title properties, declining property values, and presence of an abnormally large number of housing vacancies.

"Complet forms of blight are said to exist when an area contains a mixture of incompatible land uses, obsolete or impractical layout of lots blocks, and streets, unsafe and unhealthful conditions existing or possible when marginal land is in use, particularly land subject to floods, marshiness, or tital flows"*

In its most elemental form blight is usually diffined as an economic dislocation of copie or resources. The result is creation of unhealthy, unsafe, unmarketable, and unsightly areas reflecting a good of depression and hopelessness; However, we have not successfully demonstrated the interplay between these complex factors that create blight. But there are obvious signs which result from this cause and effect interaction.

The telltale signs are physical in nature and subject to analysis.

*F. Stuart Chapin, Urban Land Use Planning.

In order to identify the areas of blight, therefore, we will rely mainly on physical evidence recognizing that other forces are operating to contribute to blight. This does not suggest, however, that we will not consider every facet of cause and effect when planning for corective action. It simply allows us to identify and categorize neighborhood areas using appearance as an indicator.

what is conjugated the confidence of the conjugate of the

The survey will identify the neighborhood but not accept it as the limiting boundary unless varranted. However, neighborhood considerations are important to establish necessary relationships. So neighborhoods must be identified at the outset.

Deterioration

defined: Deteriorating-needs more repair than would be provided in the course of regular maintenance.

are defined: Primary or severly blighted creas are specific areas in which boundaries are identifiable between the different decress of blight. Streets, canals, roll tracks, oven space, changes in type and style of structures, different bordering land uses and natural boundaries will not as lines of democration. The ration data will determine the level or degree of blight. However, the area of consideration whom which the rating is based will range in size from a blight or apartment) which are located close to each other but separated physically, to an entire community.

Primary areas will be analyzed on a unit - by - unit basis by the Housing Quality Survey.

Secondary and tertiary areas will be divided by neighborhood and enumeration districts. The Census - Housing Indicator Matrix will explore conditions by ED. The enumeration districts will provide an excellent data base of accurate and detailed information for general consideration and treatment of these areas, including a base for continued data gathering.

Troceedure: A windshield survey of visible neighborhood characteristics will be conducted. Then, specific areas of primary concern will receive indepth attention and study.

This survey is only for general delineation of priority areas. Once this survey is completed, certain qualifying characteristics may evolve which will cause changes in the ranking. Analysis: Primary areas will be identified and designated as target areas in order of importance. Further studies will relate these target areas to the neighborhood and community, plus define the socio-economic characteristics of the area.

Secondary and tertiary areas will be separteed in this preliminary survey. Later counts of census data will further define these areas. Therefore, the indication made on this survey is general in score and subject to more diffinitive study as the total micture becomes clear.

DLIGHT SURVEY OF DERCED COUNTY (Enterior Analysis)

Tei	Chboi	rhood	nousing Units					
Pop	ulat	ion	_(1970	Census	s)Enumerati	ion Dist.		
Det	ermi	nates of Blight:	Good		Fair 5% - 25%	Poor		
I.	Lev	el of Haintenance	under Defec		5% - 25% Defects	over 25		
	•	Valls	:			* * 1		
	В.	Doors & Windows				i		
	С.	Roof				1		
	Э.	Accessory Buildings						
	_} •	Yard.				1		
	₽.	Garbage & Rubbish						
	G.	Incineration						
	Η.	Safety Mazards						
	I.	Fences	i			F		
II.	J.	Droken Utilities	!					
	Gen	Total Appearance Street Pattern						
	Э.	Street Condition						
	С.	Drainage						
	9.	Landscaping						
	i.	Peighborhood Facilities		1				
	\mathbb{F} .	Odors, Hoise, or hest						
	G.	Community Impression						
	17.	Mechanics						
	ì.	inor Improvements						
	J.		1					
		Yota	17					

III.	Use	of Struct	ures		Good	<u>P</u> e	<u>ir</u> <u>F</u>	oor		
	ΑJ	Over-usag	e							
	в.	His-usage								
	С.	Occupancy					i			
	Э.	Lot Overc	rowding	Total	-					
IV.	Sub	standard O	10 6 64							
	Λ .	Foundation	truction ns							
	В.	Utilities					:			
	C.	Jerry-bui	Lt							
	Э.	Walls, Ro								
	2: Door B. Harginal Land			Total	'					
			110	eighted (verall)	Rating				
Wei	cht	Section	Items	Good	Fair	Poor	Weighted Unit		Fair	Poor
\mathcal{L}_{r}	DÇ5	I.	10				4.0			
30	0%	II.	10				3.0			
20	0 %	III.	4				5.0			
10),2	. VI	5				2.3			
Ove	rall	Rating:	Primar	Tr	_ Sec	ondary		Terti	ary	

Boundaries:

Remarks:

DEFICITIONS FOR LIPCOL COURTY UNITED PLANNING BOARD

This survey is a modification of the survey form recommended by the Calofornic Division of Mousing and Community Development. Responses are on a "positive" or "negative" basis. Positive responses are indicated below. A positive indication means that the units meets the criteria as set forth earning the weighted score. Legative responses receive no score and do not meet the definitions below.

Use of Survey Form

This survey utilizes existing utility mass, census data, a community self-survey and other related studies to correlate realistic evaluations suggesting a house - by - house exterior survey. One copy of the survey for a is to be used for each dwelling inspected. This includes poblic homes but excludes mobile homes but excludes mobile home parks.

The Survey

Date - indicate worth and year of survey

<u>ares</u> - indication of identificable community such as city or incorporated area. (1. portant for correlation with Gens s inumeration districts)

County Advess value - corresponds to address tiven said property by County Planaia; Department which represents the location and legal average of a live write.

I. Type of Unit - inducate by " " thich type. Detached home

means a permanent structure standing alone. Cabin represents a summer cabin, migratory unit, or second home having periodic occupancy, and should be separated from type dwelling units.

II. Exterior Observations

25

Exterior Observati	ons					
rositive Teithted	Α.	Str	actural Deterioration			
Score		1.	Sagging or Dilagidated Roofing -			
135			The roofing has no visual evi-			
			dence of sagging rafters, missing			
			or buckled covering, or decay of			
			roofing materials which suggest			
			leaknae.			
135		2.	Fon-plumb or Decayed Exterior			
			ralls - The walls are plumb or			
			straight having no loose or de-			
			cayed siding.			
03		3.	Notted Components - The other			
			components, including doors,			
350			windows, porches, and steps do			
			not exhibit any notable degree of			
			non-protective paint or a break-			
			down of structural materials.			
	7 0	Plu	mbing and Sevare			

(00'

1. Vented - All dumbing and gas

vents are provided and extended above the roof and/or three feet above adjacent windows or openings without terminating below roof extensions or overhance.

50

2. Connected to Sever Systems Structure has individual septic
tanh, cesspools, or is serviced
by a public system (correlate
with utility service marring)
note: Thether on Private or Public system.

1

3. Connected to Public or Private

Tator System - The structure

obtains water from public system

or has individual well. (Correlate

with utility manning service) Note:

Thether on Private or Public System.

75

200

cheervable 'roble's - There is no abservable resence of waste profacts, broken facilities, evidence of improver water injertation, or indication of improver senitation facilities. Inproper facilities might include outhouses, outside bathing, open severs, water containers lack of hot and cold running water, or over usage of shared facilities.

- C. Hissing Components Hissing parts or section of various structural components necessary for proper maintenance of safe living conditions.
 - Doors Fone of the enterior doors are missing.
 - rorches Necessary porches are safe having all parts.
 - Steps Wecessary entry ways are provided.
 - Lindows All windows are in place without any broken components.
 - Siding All protective, exterior siding is in place.
 - Rails Structure has safety rails where needed.
-). Utilities Those facilities necessary

(22)

35

20

15

35

35

150

for lighting, heating, cooling & cooking depending on location and source availability. If only gas or electricity are used for all purtoses, the full score of 100 should be applied. (Granine Utility Commany records).

50

50

 Mostricity - Unit has electrical service.

3. Telephone - Init has telephone service.

120

Poundation (not applicable to Tobile dones)

(,)

.. Continuous - A solid concrete,

block, or brick support base
surrounds the entire structure

with an supports such as sters or

bosts used to hold the bearing

weight of the wall..

2. Vented - Ventilation is provided. 20 port two square feet per 25 linear feet, with one vent opening within three feet of each corner. 3. Deteriorated - The foundations 40 is solid footing for the struct-110 ure and does not emhibit settling, cracks, or decayed materials. This section is not applicable to mobile homes. ote: F. Jerry Built - Structures are not assembled according to code from various parts of different structures or constructed in a chean, careless, hasty manner which tends to deter from overall functional continuity. 50 G. Compatible Land Use - Zoning - Then the existing land use and zoning on which the structure stands conform to surrounding land usages and zoning. Invironmental Hazards - The surr-50 II. oundings do not present safety and health hazards in the form of poor drainage, deteriorated minor imbrove e tr, juit, garbage, incineration,

etc.

- 50
- I. Gred Structural Usage The residence is utilized only as a living 230 un t and doesn't perform a gal function which distracts from its brimary ourbose.

Grand Total 1160

- III. Occupied thysically occupied, or occupied by virtue of condition. (Curtains, tools in garage - auto, etc.)
- IV. Obvious Denolition An abandon structure which obviously is unfit for human habitation as witnessed by the lack or services and physical condition, this ratio will be made by the evaluator and substanticted only by an infield inspection. However, the obviousluselessness of such a structure as a living unit should be proof of such an observation. Those units which are posted by Public Health and Public Works Departments are an immediate indication. Those not posted by rated "obvious demolition" will be submitted to the Public Health Department for their concensus and possible posting. .. "yes" procludes and eliminated Section II Enterior Observations.
 - V. Rading: inimum Score for all duellings except Hobile Homes. Standard 1030 Sound Units
 - dinor Repair 1925 850 Basically sound with only minor re-
 - Major Rehab. 349 360 Dilabidated having major deficiencies.

Denolition below 480 thround dwelling units which are not economically feasible to rehabilitate and should be destroyed.

note: Mobile homes may exhibit 110 points less from total score because foundations are not applicable if supported by an undercarriage.

Remarks: Notes on unusual conditions not covered in the above format.

These ratings are to be used to indicate general housing quality and need. "Justification for abatement (or specific technical posting) shall be by complete external and internal inspection by qualified inspectors and documented". The results of this survey will be charted on coded maps to give visual observations. Also, housing quality characteristics will be noted and analyzed. Each survey form will be given a sequenced number for control sake.

LINCOLD COUNTY UNITED PLANNING BOARD HOUSING CUALITY SURVEY

Date:_____

Are	a				_County Add	ress In	ımber_				
Τ.	Type of Unit:										
	Detached House ; Apt. ; Motel-Hotel ; Duplex ;										
	Triplem ; Mobile Home ; Cabin_										
II.	Exterior Observations										
	A. Structural Deterioration										
		1.	Sagging o	or Dilap	idated Roof	ing:	.os	_Neg			
		2.	Hon-plum	or Dec	ayed Walls:		l'os.	Teg.			
					red Compone						
	В.	11u	mbing and	Serrage							
		l.	Vented:				Pos	i ^l eg			
		2.	Connected	l to Sew	er System:		los	Teg			
		3.	Connected	l to liat	er System:		Pos	Neg.			
		4.	Observabl	e Probl	ems		Pos	ੁਰਿ∈. <u>-</u>			
	С.	C. Pissing Components									
		l.	Joors	Pos	lleg.						
		2.	orches	Pos	Jeg.						
		3.	Stens	l'os.	Fleg						
		4.	Windows	Pos	i'eg						
		5.	Siding	.05.	Meg						
		6.	Rails	08	reg.						
		Uti	lities								
		1.	Gas:	.cs.		ปลา	int	L			
		2.	Mectric	ity les.	1100.						
			Telephon	1420							
	1. Foundations (not applicable to sobile Homes)										
					l'oslle			Fired Structural Usage			
					os. lie			LOS. DOG.			
					os. Ne		III	Occupied Vacant Obvious Demo: Yes			
					:]leg		V	. Overall Rating:			
			od tse & Z	lia io	ndard Minor Repair or Rehab Demo						
		lm	vironmenta	l Tazard	ls: l'os	ile; .					

Remarks:

Score:

CODING & BANKING OF BLIGHT SURVEY

I. Level of Haintenance

H.C.A.G.

- A. Walls are damaged and need protective paint.
- B. Doors and windows are broken, missing, or damaged.
- C. Roof has missing shingles with leakage likely.
- D. Accessory buildings are deteriorated.
- H. Yard is ill-hept with litter and overgrown.
- F. There is a presence of garbage and rubbish other than in accepted receptacles.
- G. Incineration is permited in the yard area.
- H. Safety hazards such as abandoned cars, refrigerators, broken equipment, junk, etc.
- I. Presence of animal or human feces.
- J. Broten utilities (Blectricity, Gas, Vater & Sewage) which are in misuse or abandoned due to neglect.

II. General Heighborhood Appearance

- A. Disruptive street pattern.
- B. Streets are dirt or in poor repair.
- C. Drainage appears inadequate with an absence of curbs or other drainage facilities.
- D. Landscaping is poorly maintained and littered.
- D. Vital neighborhood facilities, including shopping, recreation, schools, transportation, and health care are missing.
- F. There is a presence of objectionable odor, noise, or dush.
- G. Community impression gives a feeling of depression and despair.

- H. Peighborhood economic appears to be depressed as witnessed by the number of operating enterprises, and presence of viable market play.
- Minor improvements such as sidewalks, driveways, steps, and curbs are missing.
- J. Incompatible land uses. For example, a factory or wrecking yard located in the center of residential area.

III. Use of Structures

- A. Over-usage due to crowding, inadequacy of structure size, and level of maintenance.
- B. Mis-usage caused by usage of structures meant for other purposes, mixed use of residences, and usage beyond the point of repair. Residences are used as or converted to commercial.
- C. Occupancy structures are vacant or abandoned.
- D. Overcrowding lot with structures.

IV. Substandard Original Construction

- A. Lacks continuous foundations.
- B. Missing one or more utility (water, sewer, electricity, nas).
- C. Jerry-built structures assembled from various parts of different structures or in a cheap, careless, hasty manner.
- D. Walls, roofs, windows, and doors were improperly or inadequately installed.
- derginal land subject to floods, poor soil conditions, etc.

Rankin .:

Good - The neighborhood, from an overall vicupoint, has less than 5% of the area exhibiting a certain defective characteristic.

- Pair The neighborhood, from an overall viewpoint, has more than 5, but less than 25% of the area exhibiting a certain defective characteristic.
- Poor The neighborhood, from an overall viewpoint, has more than 25% of the area exhibiting a certain defective characteristic.

Overall Rating of Blight

- Irimary Those dilapidated neighborhoods which have scored 50% or more in the "Foor" ranking based on the usighted determinated. Renewal, redevelopment, and major rehabilitation appears eminent over much of the neighborhood. These areas warrant immediate priority and attention.
- Secondary -Those neighborhoods exhibiting some deficiencies with less than 50% of the ranking within the "Foor" category with a mojority of the ranking centering in the "Pair" ranking. Rehabilitation and conservation are the likely treatment. These are areas which contain islands of blight or are generally on the brink of becoming primary areas over the next five to ten years. However, these areas show promise and should be treated within the near future to prevent deterioration.
- Tertiary The third ranking includes those neighborhoods with sound-standard structures, requiring only maintenance without any major deficiencies or any kind within a majority of the units. Hone of the characteristics should exhibit a "coor" rading, Conservation and normal maintenance appear to be the only necessary action within the immediate future.

Areas of Primary Concern

Town of Eurelia;

The area marked E-4 on the Eureka town map is the only area in Lincoln County outside of the Libby and Proy city boundaries,

in which most of the blight indicators are present. The preliminary neighborhood analysis indicates this area is 60,0 blighted.

One interesting note; Durcha people seem remarkably tolerant to the occurance of delapidated or poor housing. This observation is supported by the side by side existance of upper standard houses and demolition rated housing. Hever-the-less, the 4D to 5D year age of most Durcha houses (about 7D,) and the fact that the number of people per household is declining (more ducling units but less people than 1960 census) suggests that some community as well as neighborhood renoval is required.

Meighborhood A-4 contains 15 housing units and the generalized survey indicated survetural and well as neighborhood deficiencies. Taintenance score rated 28 poor, 4 fair, and 8 good; total 40. Appearance score rated; 16 poor, and 9 fair, total 27. Structural use score rated 10 poor, and 10 fair, for a total of 20. Substandard original construction score rated 4 poor, 4 fair, and 2 good for a total of 10. Grand totals; Poor - 60, Pair - 27, and Good - 10.

The detail house by house analysis shows that of the fifteen structures listed in this erea one occupied structure should be devalished, eight are considered in need of substantial repair or ne jor rehabilitation, and one since repair structure with five standard structures. The mixed uses and lot crowding should be reduced for proper mitigation of conflicts.

Alternative Solutions to Primary Area;

- 1. Let area continue to deteriorate The result of this decision would
 be abandon housing and utility service and increase potential for
 health hazard. This alternative
 would increase taxes on the remaining occupied units in the conmunity to pay for required service.
- 2. Renew or replace structures This alternative would result in increased living standards and neighborhood appearance. But it would reduce the ability for low income families to live in this area.
- 3. Replace structure with multi-family units This alternative would consolidate utility service increase open space, if the same density per crea is used, increase opportunity for low income residence, and improve the general neighborhood appearance.

Secondary areas of Concern:

Following definitions describe the areas that were classified as in need of some increased management or renewal.

Bureka Secondary Areas -

Neighborhood E-1 contains 9 units. Score totals include,

Fair - total 51, Good - total 36, Poor - total 10. Problem areas

are the level of unit maintenance and the misuse of structures

for secondary uses.

Recommended Action: M-1 should be viewed as a special case since the main access read (U.S. 193) to Tureka fronts all of the lots. Increases in the quality of appearance of this section will benefit the whole town by offering the visiting public a good first impression. Such initial impressions in many cases, will determine the degree of tourist use of town and commercial facilities. Increase in the general level of maintenance of these houses and a reduction of the "non-conforming" uses seen reasonable.

Meighborhood M-2; 16 vaits. Total scoring, Fair - 34, Good - 45, Poor - 26. Coneral maintenance level low and substandard original construction are big ost problems. Located across U.S. 493 from M-1, the same problems are true here, call the same solutions are rose mental.

Neighborhood 4-5; 56 units. General scoring, Fair - 62, Good - 29, Foor - 6. All areas of the survey seem to be affected. The biggest problems are non-compatible land use and standard grid street mattern.

Recommended action: Increase in general maintenance of structures and reduction of "incompatible land use". Standard grid street natterns tend to increase speed of traffic, therefore, posted speed limits and warnings for children and vehicle operators are needed.

Weighborhood 5-6; 31 units. General scoring, Fair - 66, Good - 25, Poor - 6. Poor drainage and minor improvements seem to be the problem.

Recommended ..ction: Drainage study by town should determine solution to standing water problems.

Feighborhood 3-0; 11 datts. General scoring, Pair - 45, Good - 20, Foor - 34. This area is almost rated as a primary area. Therefore, great attention should be given to increasing the quantity of housing here.

Recommended action: The totography is the major barrier to property improvement. This area should be treated as a primary area since it is close to the commercial center. Choices

regarding future land use should be developed. The number of street intersections that occur in this area suggest that eventual expansion of the commercial area could serve as the renewal effort here.

Heighborhood E-9; 16 units. General scoring, Fair -AA, Good - A7, Foor - 6. Hajor problem is street mattern and street condition.

Recommended Action: Street safety signs posted, increased attention by town hall to street conditions, and a meneral individual housing unit maintenance.

Heighborhood 1-16; 29 units. General scoring, Pair - 51, Good - 46, Poor - 0. Small improvement problems are the emjor detriments in this section.

Recommended action: Although the community impression is good, such problems with improvements, and non-conforming uses should be looked at.

Meighborhood M-17; 33 vaits. General scoring, Pair = [4], Good = 13, Good = 31. This is another area that should be also sally matched because thin his developing here. Every as est of maintenance, a generance, attracture use, and construction are

beginning to deteriorate.

County Areas:

Recommended Action: General public improvements such as street, drainage and private land development deficiencies such as landscaping and incompatible land use, should be corrected. Consolidation of commercial uses must be encouraged.

Remford; Remford is a new town and only two houses in a community of 34 dwelling units are considered sub-standard.

Continuing town improvements in the form of personal property imprevenents and community wide landscaping improvements are indications of a positive community attitude.

North Eureka; 20 units. General scoring, Fair - 50, Good - 27, Foor - 15. Safety hazards, because of very poor street maintenance, and very poor public improvements such as streets drainage and utilities severly limit this area. The fact that the streets are not deteriorated and the water systems are sub-standard (no / inch mains - required for adequate fire protection), the beginning problems of septic tank failure couled with a moor drainage potential suggest that a strong community organization should form to solve these problems.

decommended action: Formation of a special service districts to attack above mentioned problems through collective financing.

Fortine; 31 units. General scoring, Fair -43, Good -47, Poor -10. Generally a very stable community several houses need repair but the biggest problem is the sub-standard water system which, in the very near future, will limit existing housing and prevent expansion of this community. Recommended action: Create a water service district to but the privately owned water service and thereby create a funding vehicle to improve the system.

Troy South; 16 units. General score, Fair - 58, Good - 10, Foor - 32. The general age of the area structures and the appearance of substantial structure decay suggest that a renewal effort is needed. All lots front on U.S. Highway 32 making appearance of the subject area critical to the entrance impression for the town of Troy.

Recommended Action: General increase in structure maintenance and a reduction in non-compatible land uses.

1970 Census Analysis:

The census was reviewed and certain data items were selected because of their correlation to area housing problems. The following analysis is moreal in nature and indicates problems by enteration districts in the <u>County Areas</u> only. All areas in the following description are outside incorporate, town lights.

Structure Condition:

The first census indicator is structure condition as determined by the housing value. Housing within census districts at a value of less than .5,000 or a rent of less than .60.00 per month are considered indicators of blight if the number of structure so valued number more than 10% of the total houses counted.

Enumeration district 6 - B in the Eureka Census Division is rated at a +105 low value housing.

-inumeration districts 9 and 10 in the Troy Census Division are rated at ϵ *10% low value housing.

Environmental Health:

The number of plumbing deficiencies can be correlated with problems in environmental health. If more than +10% of the houses are lacking facilities or problem of use such as indirect access to bitchen or bathroom a problem is lefined. If over 25% of the houses have such facilities that are deficient a serious problem is present.

Anumeration Districts 4, 5 and 6 in the durette Census Division are rated at +10, deficiency.

Inumeration Districts 20 and 21 in the Libby Census Division are rated +10. deficiency.

Anumeration District 10 in the Troy Census Division is

rated at +10% deficiency and Anumeration Districts 9 and 11 are rated at +25% deficiency.

Over Crowding:

Overcrouding of structure by occupants is serious when there are more than 1.51 persons per room in a house. For example a five room house with 8 people living in it is considered to be overcrouded. A problem is defined when over 5% of the structures are over crowded. Crowding suggests economic problems, health problems, and can indicate an inadequate housing supply.

Anumeration Districts 4 and 5 in the Mureira Area exhibit $\pm 5 \mu$ structural over crowding.

Ammeration Districts 19-B and 20 have in excess of 5. structural over crouding in the Libby area Census Division.

All of Troy Enumeration Districts have +') crowding problem.

Conclusion:

Reral Troy seems to have a severe housing problem in all areas of concern. These problems are compounded by the low income levels in the Troy district and the encess are of the structures. A substantial increase in Troy's economic base or a high degree of subsidy are needed to improve froy's situation.

Aureka's problems, though not quite so severe as Troy's, indicate that concern should be shown for the trends that are forming. These trends indicate a need for substantial housing replacement and improvement to neet the need of emisting residents. Future population increase will be limited by a delagidated housing supply.

Enumeration District 20 in the Libby district must concern itself with increasing the housing supply and solving the problems in environmental health. Generally the Libby rural areas look good.

Aconomic Harket Analysis:

This section gives a brief synopsis of the problems of economics as they apply to the housing market in each of the areas of concern. Generally these analysis will be offered in the General District boundaries.

Thus the 1970 Census indicate the following limitations by income to meet shelter costs in the Jurcha Census Division.

Chart I.

Eureka Ar	ea				Total
				.lonthly Ability	House Cost
Less than	40	families	have a	.50	.5,400
11	35	11	Subsidized	. 63	.6,800
11	16	11	or Delapidate	d .175	:8,000
Service of the second service of the second					
11	63	***	Self	2100	10,000
18	54	11	Help	125	. 13,500
			AND THE PERSON NAMED AND PARTY.		
11	51	11	Owner	150	18,900
			Contractor		erredgestedek i Artikosikosikosikosikosikosikosikosik
11	1.20) 11	Hired Contrac	tor -175	22,000
Control of the Contro			the arrange same in group against consume		

573 Total

The remaining 200 families with incomes in excess of 40,000 per year should be able to provide adequate housing.

Chart II.

Libb	y Area Ha:	rhet Analysis		
Humbe	er of Fam:	ilies	Tonthly Ability To Pay	Total Shelter Cost
	64	Subsidized	.50	,5,400
	67	or	,63	,6,800
	92	Delapidated	· 7 5	.8,000
	84	Self	-100	10,800
m	157	Help	125	13,500
	172	Ouner Contractor	150	.16,200
	270	Hired	.175	18,900
	552	Contractor Harginal	, 200	22,000
-	1.450	D-+-1	the Market is agreed to the control of the control of the analysis of the theory of the control	medicals the entire of the copies of the collection of the collect

1458 Total

1574 families in the Libby Census Division have incomes in excess of 310,000 per year and should be able to buy adequate housing.

Chart III.

Troy Area Ma	erhet Analysis	Nonthly Ability To Pay	Total Shelter Cost
19		150	-5,400
48	Subsidized or	,63	.6,800
26	Delapidated	.75	8,000
35	Selî	,100	.10,800
37	Help	125	13,500
66	Owner Contractor	.150	16,200
66	Hired Contractor	:175	18,900
96	Harginal	2000	,22,000
393	Total		

205 families in the Troy Census District have incomes in excess of 10,000 per year and should be able to buy adequate housing.

Shelter Costs and Availability:

A poll at various private and public housing entities indicated that land costs for an average developed lot for single family residences ranged form \$2,000 - \$3,000 with an expected raise to 3,000 due to inflation. Unit costs were placed at 312 - 614 per spuare foot for conventional single dwellings. Farmers home administration self help projects average 57 - 8 per square foot plus "sweat-labor" of owner and administrative overhead. A number of other private pre-fab builders offer units that ranged from 16 - 18 per square foot cost plus some labor equity from owner. The average size home was generally 3 bedroom ranging from 1,200 to 1,400 sq. ft., is conventional and 1,100 sq. ft., in Self Help units. Hobile and modular units are beginning to have some new popularity. Also, other costs should be considered in the total market picture. such as maintenance, taxes, insurance, transfer fees, permits, reality fees, escrow, etc.

Estimated Average Shelter Costs For New Housing In Lincoln County

	per sc.ft.	unit cost	land cost	total cost		maint.& util.Cost*	
Conventional 2 bedroom 1000 sq. ft.	,12	14,000	3000	17,400	,157	,40	.197
3 bedroom 1200 sg. ft.	014	16,800	े 3 000	19,800	-178	. 40	.218
Self-Help 3 bedroom 1100 sq. ft.	. 7	7,700	300	10,700	:, 96	-40	126

** 10/minor maintenance

* North payment includes mortgage payment, taxes, & insurance and is placed at 0.9% of total cost or 9/10% if entire sum were financed. This is designed to give relative estimate. Every loan is unique depending on income level of borrower, interest rate, and subsidies available.

The above averages were obtained from various agencies and from within the County. Staff feels that these are conservative cost estimates with many units costing more depending on construction arrangements and marketing approach taken.

Please refer to Merced degion Section for cost versus ability to pay.

land area, offer labor and quantity savings in construction, and can provide a wider variety of facilities. However, the savings per square foot in construction costs averages 10% to 15% less than that of single duelling units resulting in generally more compact living with smaller floor space per unit when compared to single duelling units. Once land cost is added the multiple unit is only slightly less costly per square foor unless hundreds are constructed at one time. Humorous surveys nation wide confirm the fact that more than 80% of the American families prefer to live in single family duelling units due to factors such as privacy and pride of ownership. Yet economic factors do not allow this attitude to prevail in many areas.

Hobile home ownership has become a very popular living syyle. Purther, the cost is within a price range suitable to most
budgets. The mobile unit is able to go low enough in price to
touch many of the low and moderate income families. Although
most mobile homes have smaller living space than regular stickbuilt homes, their compactness and mobility seems well adapted
to low income persons who do not have a lot of personal assets
to clutter up space. The mobility is also important since low
income families often follow available labor markets. The
recent housing need in Lincoln County has been substantially
met by mobile homes.

Mobile homes vary in size and cost. The 12' X 60' coach and the double wides are quite popular with the average cost ranging from 4,000 to 12,000 depending on size and furnishings. Haintenance is fairly low and can easily be done by the owner. However, durability of construction is low. Payments are reasonable with some as low as 550/month and even lower if a used trailer can be found. Average space ranges from 35 to 55/month depending on amenities available. Examination of the County Planning Departments records show a very substantial growth of single mobile units because of the Libby Dam Project. 20% of all housing is provided by mobile homes. Mobile home living as reported by the County Treasurers office has dropped from 2,600 in 1970, to 1,500 in 1974. This reduction, du to out migration of Libby Dam workers, should be partially recovered by the re-regulation dam construction.

The experience with the mobile home proves that the new pre-fab and modular housing may provide the key, but these factory-built units have yet to be perfected at a reasonable cost. The future seems to call for this type of technology and flexibility in order to defeat the costly, primitive form of construction now being done. The increased durability of these units is lightly desirable if a favorable interior and exterior design can be established. Staff feels confident that the costs of factory-built duellings will gradually decrease

as the market is tested replacing such of the present construction at a lower price. Ability to pay - economists feel that 25p of a family's gross income could be applied to shelter costs. If over 25p is spent, it has been discovered that other necessities such as health care, diet, etc., are not provided for causing possible damage to the livelihood of the family when continued over a long period of time.

Housing Projectional Heed:

Sureka Census Division;

Population projections indicate a need for ten more units to house the anticipated population by 1975; fifty new units to house the projected population for the period between 1975 and 1980; 110 units will be needed between 1980 and 1985. A total of 170 new housing units needed by 1985. The town of Eureha can anticipate the need for about one third of the total north valley requirement of about 56 new units by 1985. Unless some steps are taken to consolidate community resource, however, it may be anticipated that rost of the fifty-six units will be built outside of the incorporated town limits. Anticipated figures include the denolition and re-lacement of existing delacidated units.

Libby Census Division

76 new units will be needed by next year; 618 shelters

between 1975 and 1980; and, about 150 houses needed for the period between 1980 and 1985. A total of 844 units needed by 1985. About 700 units will be needed in the Libby city area.

most of these units are empected to be mobile homes since a large portion of the anticipated population will be transient labor needed to build the re-regulation day.

Troy Census Division;

The Troy area will need 183 housing units to house the big population increase due if the mining operation opens near Bull Lake in the next year or two. 64 units between 1975 and 1980; 118 units to meet population increase demands between 1960 and 1965. A total of 365 units by 1985. A shall percentage of these units can be expected in the Troy town limits since most of the development activity is occurring in the Bull Lake area and in the Yack River basin.

Conclusion, Recommendations, Progress:

Lureka Area;

The northeastern condition Center defined in the census as the Turella Census Division, represents the largest posulation center defined in this study.

najor problems here are;

- 1. Age of large recentage of all structures
- 2. Targinal for sale or for rent housing surely

- General run down appearance of housing on both the north and south entrances to the town of Eureke
- 4. Seasonal and national sensitive economic base high percentage of low income families
- 5. Lack of low cost housing for aged citizens
- 6. Lack of a coherent government program to support housing problems.

The solutions to these problems are obvious;

- Begin to replace or renew existing houses with new housing or multi family units including mobile homes.
- 2. Because the capital commitment for maintaining the housing surplus is not available, a close attention to probable demand must be maintained so that capital sources will be available when the demand is up.
- 3. A community betterment project with subsidy support by local, state, and federal agencies can solve the problem areas. Pote; The staff sees this problem coupled with the average structure age in down town durcha as indicators of a need for a substantial community renewal effort.
- 4. Encourage the location of those industries that will diversify the economic base and exhibit a low seasonal

- and national economic fluctuation sinsivity characteristics. And seek reduction in housing costs by some manner of subsidy.
- 5. The Senior Citizens organization has defined the need for about 15 low cost housing units to take care of existing and future needs. Local and federal subsidy support is being developed to meet this need.

Libby area;

Note: The Libby City-County general plan defines several programs that need to be undertaken to solve Libby's housing problems. The staff feels, however, that the repulation projections used to project housing need were incorrect because of the consultants apparent oversight in programming the non-ulation increase that should result when the re-regulation dam is bullt into his figures.

Rural Libby Problems; The very rural low Censity areas in the southwestern county area have:

- a. I. Environmental health problems because of the lack of facilities
 - Over erouding of this area also suggests health and economic questions to be solved
 - 3. About 250 families need some form of economic assistance or housing subsidy to provide proper housing.

Solutions:

- 1-2. Rural self-holp programs including low cost loans and grants could help
- Gither these people are satisfied with their present economic conditions or some increase in job opportunities is needed.

Troy Areas

Troy has big problems and instead of listing them the staff will simply define the basic causes and effects. Solutions are complex and will require effort by all levels of government and business.

Troy has always been a working mans town. This community is a classic example of the problem of a small town being totally dependent on a small extention of a BIG company. When St. Regis reduced its operation and when the Burlington Horathern changed its procedures as the result of automation, proy's economic base evaporated. Never having had medium sized locally owned industry, the load for providing employment fell on several small cedar processing wills. As the private cedar resource is depleted, this form of employment will be reduced.

If weople have money enough they will provide for the reselves the type of dwelling unit that they mant. The need therefore, is to develop a industrial base in the Troy area that will improve family economics and encourage boosing improvement. The new copper mine near Bull Lake, if opened, can provide some of this money imput. The development of relatively high value wood products such as lamenating and window frame and mouldings could provide some economic stability.

This discussion has been one of economics because economics is the problem. If some money is brought to and spent in Troy, on a long range industrial development plan, the housing problems will become aparent.

If no new economic systems are developed in Troy, the present trends for aging will be terminal. Large infussions of government money to support housing improvement will be lost if the economy doesn't improve.

Implementation:

A realistic housing policy is necessary. The following range of policy considerations offers some positive approaches in the development of a viable policy format.

Provide Political Strength - In order to promote a balance between private agencies, government initiatives, and offer people a range of choices desending on various interests, incomes, and life styles a strong political helping hand is indispensable. Government must accept, as a basic responsibility, a positive control of land use and land markets. Regulations must be continually dynamic by way of licensing, standards, taxation, subsidies. This means securing land at a cost which permits a well-planned developments.

Provide Economic Stimulus - Nore resources must be committed to housing. The key economic regulator of demand is the interest rates. These interest rates tend to indicate the inflationary condition which prices the poor out of the market. These inflationary indicators must be curbed through stabilization of both interest rates and costs. Subsidies will continue at higher levels if these inflationary trends are not diverted.

Guide Development - Government must take the lead in encouraging a variety of experiments and pilot projects. This starts with a olicy concentrating first on site design and provision of services. It also means reconsideration of medium-rise buildings with concern for realistic density and social awareness. Gultural patterns should be enhanced by the ordered development. This calls for encouragement of the self-help concept and flexibility in all aspects. Equally important is the counit part that settlement patterns not be so fixed by external authority thereby excluding the creativity of people. Of course, increased creativity in the "governmental" process requires citizen participation and a reduction of nublic apathy.

Guide Resource Use - In order to preserve the present housing stock, various financial regulations could achieve this by encouraging the developing agency to maintain the quality of the investment throughout the life of the item financed or may rent supplements to tenants who themselves maintain their rentals. If ownership is to mean anything, we must promote such philosophy so that our homes truly become an intimate expression of man's sense of identity and dignity. Resources must be directed to that basic necessary unit, the heighborhood. The neighborhood must again become the tool for curbing the shapeless surroul we are experiencing.

What shelter finally gets down to is that we are locked into traditional ways of thinking, derived form ancient and largely appraira societies, to fewfal cities, and to concepts about land ownership and use that may be almost completely irrelevant to our contemporary, highly technological society."

---- Taiser News/Shelter: The Cave Re-Imamined

Planning is a decision-making process through which a logical progression of events occur (research, analysis, alternative selection, testing, review, implementation, respersisel, and update of information base). It is a tool which provides you with an efficient system of considering a problem, exceptining alternatives, and striving to provide a better condition. But does down most copie do not really believe in planning.

Some say the information base is always too imperfect while

others claim that special interests control the planning process. But probably the most innate conscious or unconscious feeling is a loss of freedom to control even under the most flexible plan. However, doesn't freedom of choice imply knowledge of the consequences of available alternatives? The present conjunction of modern communications with the massing of circumstantial information has provided man with this knowledge and wisdom, thereby freeing him. The harnassing of our technological innovations under direction of the people can move us to any point we wish to be. Of course, this is a tall order.

What are the "nuts and bolts" of implementing these theory-oriented alternatives? What are the delivery methodologies? The resources available or unavailable to implement alternative-directed solutions are often as elusive and varied as the problems themselves. The following recommendations offer the framework for attaching defined problems on a priority basis.

"The key to success lies with knowledge of problem characteristics, proper resource application, a changing need-oriented when of action, and a commitment to assigned responsibilities."

---Staff

Organization and Region-Vide Coordination:

Now do we get notivated? A definition of role at every level is the starting point to pursue any alternative. This

is a "something for something" world which functions best when everyone understands some basic responsibilities and holds up their part of the bargain in order to gain the benefits offered through such cooperation. This means a struggle between varied interests with a strong spirit or sense of community drawing progress out of a continuing conflict.

The following organizational matrix is suggested as a tool to begin to identify responsibilities, roles, and functions of all entities, public and private, who impact housing in some way. The model presented offers a generalized format for organizing a united, comprehensive approach to solving our housing dilemma.

MATRIX

		MATRIX						Related
	Levels: Federal	State	LCUPB	County	City	Industry	Financial Institutions	Private Industry
FUNDING	*Provide Funding X	×		. *			×	
	*Funding Allocation		4	×	×			×
	*Application Assistance		×					
	*Other Forms of Resource							
DI AMMING	*Domo! Tom Tomon#6		>	>	>		The state of the s	
F LAININ LING	Tevelop housing mishing		< >	4	≺	;		;
	Thevelop Delivery Moders		٧			×		×
	ikages and							
	Define Roles X	×	×					
	*Develop Citizen Partici-							
	pation Forums and Review							
	Processes		×	×	×			
MARKET A	*Develop Housing Informa							-
AGGREGATION	tion System (supply							
	Demand Support Services)	×	×					
	*Coordinate Resource With							
	Need	×	×					
	*W(\x\1) \\ \x\2\10 \x\1) \\ \x\10 \	; >	: >					
	**************************************	<	<					
	Act as broker or catalyst							
	for Increased Housing							
	Prod.		×					
INPLEMENTATION	ON *Enabling Legislation X	×		-			And of the latest designation of the latest	
	*Amend Building Codes	×		×	×			
	*Amend Zoning Ordinances			×	×			
	*Sponsor Projects			×	×	×	×	
	*Finance Projects X	×					×	
	*Plan Projects			×	×	×	×	×
	*Provide Tech Assistance X	×	×					×
	*Provide Socal Services X	×		×	×			×
	*Construct Projects					×		
	*Maintain Projects "			×	×	×	X	×
	*Provide Support Facilities			×	×	×		×
	*Promote Balanced Economic							
		×	×				×	×
	*Technical Assistance X	×						
PLAN UPDATE			×	×	×			

Standards for Inplementation:

- a. As an out-growth of the comprehensive planning procedures, an emphasis should be placed on the consolidation of land resources.
- b. New techniques to provide housing including such factors as construction, design flexibility, new materials, and financing should be encouraged as part of the solution to existing and future housing problems.
- c. Since housing problems are inter-jurisdictional, it is necessary that all regional agencies coordinate programs affecting housing, including adoption of a regional housing code.
- d. rograms should be encouraged that make best use of existing housing stock through rehabilitation.
- e. We demolition of existing units can be remitted until replacement units have been secured.
- f. Housing plans must relate to other elements of the General Plan such as transportation, land use, community facilities, and community appearance.
- g. Tax benefits should accrue to the land owner who i proves his property.
- h. Community Ceneral Plans should include housing standards consistent with housing needs of all segments

- of the community recognizing factors such as age, income, family, and mobility.
- i. Housing standards should insure a decent, safe, and sanitary duelling that provides for basic needs of the family unit.
- j. Environmental standards should be consistent with regional goals.
- k. Physical improvement standards should be consistent with residential densities and the ability of both the community and the housing consumer to pay.
- Emphasis on providing duelling units should not diminish effort by the community to provide services related to housing, such as recreation, open space, and education.
- m. The relationship of employment, transportation, and housing must be recognized so that economies of scale may relate to these inter-relating systems.
- n. Communities must seek to provide both employment and housing for their residents consistent with freedom of choice, or at least educate residents to qualify for employment even if said jobs are outside the region.
- o. Sites for housing for all segments of the housing market must be located and identified for development.

DEMOCRATHICS POPULATION STATISTICS STATISTICS * TROUBERT TO

The 1970 census was taken at a very inopportune time for the purposes of cohort analysis. The Libby Dam was being built in 1970 and the construction creus that were here at that time to a large degree have left the county. Using the superintendant of schools total county population figures, which have proven remarkably accurate over the last ten years, the county has lost 1900 people since the 1970 census was taken. It is impossible without a new census to determine in which are cohorts or ranges - this loss has occured. We can guess that the 19 -45 age ranges were depleted and the 0 - 15 age range, or the children of the workers is lower. For example the school population has declined from a high in 1970 of 5101 to a 1974 low of 4564.- a 537 pupil reduction. 1364 adults therefore, have either died or migrated elsewhere. The bulk of the population loss has occured in the Libby Census Division. Estimates indicate the following out migration mattern - (the migrations are assuming that death is out disration).

		1070 . 00.		out Nigration		Current Population
1.	Lureka	3558	-	442	=	3116
2.	Libby	12045	-	1264	=	10781
3.	Troy	2460	-	104	=	2266

The only cohort analysis that is valid is the existing school attendance figures. Based a on cohort survival charts constructed for each school in the country, the character of the

present population begins to emerge.

First grade enrollment is declining which suggests that the birth rate began to decline at least six years ago. Declining birth rates are a national trend.

Overall grade by grade school attendance shows that the number of students per grade decreases by grade from grade 8 to grade 1. Further supporting the theory that declining birth rates are the reason for drowing school enrollment.

If one or all of the grades are traced according to attendance for the last 4 years out migration by school district and by student age can be followed. The only two school districts that appear to be stable or increasing in attendance are the Yaak and Sylvanite schools. Increased attendance to these schools can be traced to the increased subdivision activity in the Yaak River drainage. The greatest percentage drops in school population are in the district \$\frac{1}{2}\$ schools with a \$3\frac{1}{2}\$ decrease recorded for Tooley Lake and a \$4\frac{1}{2}\$ loss of students at the Rexford school. The displacement of the original tour of Rexford and the resulting disbursment of that population is the reason for the Rexfor problem. Tooley Lake indicates both out migration and the overall increasing of age of the area inhabitants as the reason.

One interesting statistic was uncovered in the research

of the 70 census data. Then live longer than wo men in Lincoln County. Male longivity can be traced, according to the local health authorities, to the hardy nature of the environment and the physical types of work that predominate. This statistic as many know is the opposite of the national trend.

The trend for a substantial out nigration of the 15 - 24 age groups continues to be true. The population becomes very stable from age 25 to 54. The problems of health associated with aging increases mortality after the age of 54 is attained.

INFORMATION SYSTEMS BURGAU DEPARTMENT OF INTERCOVERNIENTAL RELATIONS MONTAHA POPULATION PROJECTIONS

COUNTY POPULATIONS BY AGE AID SELL

USING NIGRATION-SURVIVAL NETHOD

LINCOLN COUNTY

AGE	CHSUS	CHISUS	HET 1970		CTIONS
\$F**********	**1979*	****\$\$\$\$	*AIGE*XICA	******	****1289
0 - 4 5 - 9 10 - 14 15 - 19 20 - 24 25 - 29 30 - 34 35 - 39 40 - 44 45 - 49 50 - 54 55 - 59 55 - 64 65 - 69	867 817 601 453 399 382 432 498 380 339 304 177 200	908 1100 1115 903 516 646 634 551 585 539 538 448 313	47 274 244 87 -152 207 241 177 166 167 159 114 27	1094 1364 1190 1087 655 923 731 714 711 639 652 538 400 243	1 386 1691 1168 1232 845 1294 821 931 858 753 771 636 496
70 - 74 75 - 79 80150 OVER	158 113 79	119 96 <u>57</u>	0 -10 -12	149 96 102	211 98 102
TOTALS FEHALE 0 - 4 5 - 9 10 - 14 15 - 19 20 - 24 25 - 29 30 - 34 35 - 39 40 - 74 45 - 45 50 - 54 55 - 59 60 - 64 65 - 69 70 - 74 75 - 79	6583 040 734 653 462 367 375 366 383 363 205 214 152 137 101 70 57	9326 842 1074 1097 849 592 647 554 543 511 470 460 375 252 178 108 100 85	1713 37 311 257 70 -60 180 166 170 96 115 36 -14 -13 -19 7 -10	11288 1026 1346 1155 1028 772 885 706 711 629 555 555 437 323 235 136 116	13595 1328 1693 1100 1194 994 1189 894 938 774 657 654 485 406 312 178
ELLATOT	5954	8737	1566	10709	13022
CCUTTY TOTALS	L"537	18063	3279	21997	26617
ASSUTTIONS: CON	CULIT	L960 – 19 7 0	IGRATION S	FR. h DS	

INFORMATIC! SYSTEMS BURNED DEFERTIGHT OF HIT MOOVERSTHAND RELATIONS TORTANA POPULATION PROJECTIONS

COUNTY POPULATIONS BY AGE AND SEX USING FIGRATION-SURVIVAL PETHOD

LINCOL CUL TY

AGE SET ITEAR	CHISUS	CHISUS	HET 1975		CTIONS
\$\$******\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	X**********	****	****	:*****	****
0 - 5 - 10 - 10 - 10 - 10 - 10 - 10 - 10	24 309 29 382 34 432 39 394 444 400 49 380 54 339 564 177 59 200 74 150 79 113	908 1100 1115 903 516 646 634 551 585 539 538 448 313 205 119 96	47 274 244 67 -152 207 241 177 166 167 159 114 27 -23 0 -10	1094 1364 1190 1087 655 923 731 714 711 639 652 530 400 243 149 96	138 169: 116 123 84 129: 82 75 77 63 49 30. 21: 9(
TOW.LS	6583	9326	1713	11288	1 359
10 - 1 15 - 1 20 - 2 35 - 3 30 - 3 40 - 3 45 - 3 50 - 3 60 - 6 67 - 6	28	342 1074 1097 849 592 647 554 511 470 460 375 252 178 100 155	07 311 257 70 -50 180 166 170 150 -26 115 36 -13 -13	1026 1346 1155 1028 772 885 706 711 629 555 437 323 235 136	132c 1093 1100 1197 95.11 11d 137 657 657 405 312 176 130 95
	1.01.4	L'ana	15,00	10700	13022
TOTALL	5914	8737	17,00	1010	10000

Assumptions made by the State of Montana for age cohort increases over the Period of this decade obviously ignore the problems defined in the start of this section. Using the States net migration chart, next years copulation would have to increase by almost 4000 people. Without a dramatic inmigration this figure will not be valid.

Assuming a modified economic - migration - survival projection the Lincoln County population will be 17,065 in 1975 or an increase of 900 persons. The 1980 population will be 19,604 and the 1985 modulation will be 20,676.

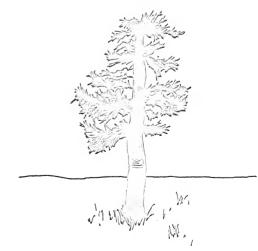
Staff projections by Census Dittrict are:

	Sxisting	19 7 5	1930	1985
Lureka C.D.	3116	3146	3276	3626
Libby C.O.	10781	11011	13174	13700
Troy C.D.	2266	2908	31.34	3550
Total	16163	17065	19640	20676

These projections are based upon anticipated economic and population input in the Libby area due to the Corps of Engineers activity on the re-regulation day, improvements on U.S. Highway ,2, and further industrial diversification. The Proy area will be the beneficiary of new population due to the "opening of the copper wine" near Bull Lake. The Eureka Census Dist. is expected to remain relatively stable with minor increases due to

increased recreational and industrial empansion.

The first and fourth counts of the 1970 census are on file at the court house for review by interested citizens. Essistance in interpreting these computer print-outs is available through the local Lincoln County clanning Staff.



Goal:

The purpose of this research is to define the emisting industrial base of Lincoln County and project future alternatives to industrial development. The goal of this study is to stimulate diversification of industry by encouraging the location of new industrual types that are the most sensitive to the fluctuation on the national economy. The economics and dynamics of industry and government and the individual gross and emendable incomes will be reviewed for clues to future trends.

Some mixing of the new and future will occur in this industrial dynamics discussion for the purposes of clarifying certain points.

Timber! - flows in a steady stream from the private and federal forests to the mills and then to the market place. Forest products represent the major economic resource in Lincoln County (about 25, of the employment base) from St. Regis, ksanka Lumber Company, to Pord Crips codar specialty mill and the several types operations in the woods the renewable forest is, to a major extent, Lincoln County's economic link with the "outside" world.

Hundreds of dillions of board feet of lumber are milled, shipped, and sold. willions of dollars are thereby recieved to

support the local, regional and national economies. The reliminary understanding of this product - money flow is necessary before we can determine what or if anything needs to be done to improve the industrial base.

Value added - means the valued added to a rew material by a process or action. For the purpose of this report the value added to timber is defined as the process and actions necessary to harvest and mill. Although considerable value is added to a tree through proper live management, the variables are many and the use of a unit constant figures could be misleading.

Between 25,5 and 30,5 of the value of the timber products are added by shipping time. This relatively low value added characteristics of the product means that "total" processing must occur as close to the harvest point as possible. The early consolidation of the bulk and weight is critical to successful profit taking. The competetive pressure developed by this relatively low value added characteristic is seen in the increased automation of the industry and the continual search for operationation of the industry and the forest and at the will. As the market pressure increases so will operational consolidation and integration increase. The fact that the timber industry as a whole is extremely sensitive to the minor fluctuations in the national and international economies, is further

proof that total tree management and use is becoming mandatory for successful product competition. For example if Japan can buy raw timber in the United States and Canada, ship this product home to be processed and make money, their product research and development is either much better than ours, or their market is much less competitive. Lucky for us that the comparatively low market competition is the primary factor. Successful product research and development must become a very big factor in marketing techniques to the U.S., however, if we intend to continue to compete with international technology. The pressure of the international market will increase drainatically as the expending world mopulation demands more of the resource pie.

What does this all mean to the small business man? It means that he is going to have to pool his recourses with others to remain an "economic man". Good and comprehensive product and market information is becoming the most important factor to business success and if the small man is not plugged in to this information, he will fail. For example teeped burners should soon be obsolete, not because they contribute to air pollution, but because total product use will eliminate their need. If some burning of non-reclaimable waste is required the heat thus produced will be used to generate electric lower, etc.

Services and marketing;

If the St. Regis operation is 10 on a scale of 10 - and the woods gyppo is 1; - such a scale can be used to describe the degree of use for local goods and services. In other words the "biggies", on a percentage basis, use less local services than do the small operator. Of course the sheer size of the St.

Regis operation means that as far as total money spent locally - they spend the most as an inividual organization. St. Regis certainly spends more locally than all other operations combined as a matter of fact, since 10p of their operationsl requirements equal well over 100p of the other mill operations combined.

There is a problem, however, in having one large corporation dominate the local economy. The obvious problem is that a short term economic set back for the St. Legis Co. could lead to a financial disaster for "local" suppliers. Even a minor shift in policy by St. Legis, who's total international resource base ranks in the top 25% of the top 500 corporations in the U.S., could result in a large local economic problem. Study figures indicate that even a medium size will (45 will bfy) uses only 35% Lincoln County services. Therefore, it seems obvious that some percentage reduction of the large operator cut of the bie should occur for a better balanced economy.

Very simily, the more "healthy" mill operations we have, the more local business will benefit and the larger share of the capitol commitment will be made in support of the local economy.

Product Distribution:

Our economic ties to the national and international markets must be referred to before we can appreciate the opportunities for industrial deversification. Since most of the large companies have main offices in the east, New York and Chicago, most of our forest products are distributed in that direction.

About 50% of the total Lincoln County wood products are sold east of this state. Western states use about 30% of our product with about 3% sold in Hontana. International markets get from between 10 - 12% this our wood, Japan receiving the largest share.

Established trade routes should be used for the most efficient sale of merchandise. According to the study data available northeast and southwest trade areas could be expanded, however, international trade will certainly increase as the world standard of living rises. The orient both Japan and China appear to be likely prospects for increased trade.

Individual L.come - Porest;

Table 3

| 1967 | 1968 | 1500 | 1680 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 | 1690 |

An overall 8, decline in forest employment harvesting and manufacturing after 1968 reflects increased automation and the failure of the many small (scale 1-2-3) woods operations to compete with the larger integrated mills.

Table 4

Personal Income 1;

1969 1970 1971 Total 1.967 13,591,000 13,654,000 14,034,000 15,458,000 Total 12.171.000 8127.38 8668.00 9661.25 7766.28 Per-7159.41 capita Lower employment, higher wages, inflation, or increased higher empendable income. 26, increase in wages about 30, inflation create net loss of 4, real income. Inflationary losses coupled with tax increases, mostly in the area of county property taxes, have greatly decreased expendable income.

ining:

A non-renewable resource based industry 99% of which is versiculite - zonolite - in Grace Company at the present time.

American Mining and smolting could about double mining income to Lincoln County IF they open the Bull Lake coppor mine.

The vermiculies mine is the largest such operation in the United States. The non-renovable nature of the entractive industries usually means that the on site raw value of the ore is

very high and further, that the mechanical concentrating processes used to further high grade the ore adds substantial value. In the case of vermiculite, on site processing represents the major value added to the product by the UR Grace Co. Other users treat this material in varying ways for use as soil conditioner, and insulation etc. Bulk shipment is permitted with substantial profit remaining. Similarly high graded copper ore will bear the expense of transportation and still remain a salable product. Iron ore - aluminum and oil are other examples of "raw materials" that are shipped great distances to interun processing centers. Because of this relatively high in-theground value, the interum processing centers can be close to the population centers.

Where does all this movement leave Lincoln County? Probably as a mining and transhipment center. The only varible that could increase the raw material processing opportunities is the soon to be increased availability of comparatively reliable hydro-electric energy. Since aluminum is the great electric power user, and since Columbic Falls already has an aluminum plant locally based internal processing or notal fabricating plants are grouply a long way off.

As the valuable mineral resource of the U.S. and the world becomes harder to find, lower and lower (rade one will become more and more valuable. Although the mineral resources estential of Lincoln County have been thoroughly analyzed, ERTS Satalite imagery or other future technology may find new mineral wealth, especially in the areas of igneous extrusion. These igneous surface extrusions are shown in the geology map and are marked Isi and Ige.

Lutomation and Manpower;

Automation will increase - manpower will stabalize. UR
Grace is in the process of installing "Brand Spanking New Equipment". After the installation crews are finished the manpower
will stabalize. The new Bull Lake copper mining operation should
have a stable employment base for the life of the ore vein - reported to be 15 years.

Source of Goods and Services;

The tie between market and supply is obviously strong in the zonolite business. Nost of the product is marketed in the southwest and most of the supplies originate in the southwest.

This is called round-trip economy or "I have good friends in L.L.".

Since copper prices are internationally determined the sale of copper is very stable. In the past this very stable market has meant that very little research and development of new products has occurred in the copper budiness. If any opportunity exists for a secondary or support service in addition to standard mining supplies, a locally based copper products

Research and Development organization could be the one. Sinilarly research and development for vermiculite could also provide a local opportunity for service base expansion.

Table 5

Number of full and part-time employees;

1967	1968	1969	1970	1971
403	392	382		

Decline in employment due to increase in automation.

Table 6

Personal	Income; 1967	1968	1965	1970	1971
Total	2,970,000	3,326,000	2,567,000		
Percapita	7369.72	8484.70	9102.93		
Steady increa	se in mersonal	income is	defined as a	reaction	
to the general	l inflationar	/ spiral.			

Farming and Ranching:

In Lincoln County we're raising cous, 65, of the co. cros. In occupation that, in the absence of federal price support, is the biggest grable around. Teather controls are and feed availability. Availability controls price and vice-versa. This "universal" supply - domand economic law is newhere more brutally demonstrated that in the perishable consdity business. Part of the problem is the historic in ividealism of the ferror and his resistance to technological change. Therefore reserver -

control of the market and a greater grower - control of the environment would do much to stabilize the market prices and reduce wildly fluctuating demand and the general inflationary trends. Value added characteristics are almost impossible to determine these days since profit margins often fluctuate more than 100% in a six nonth period.

Automation - Panpower;

Yes you should, but you probably won't. Old fashioned seems to be the mar't of the man in this business. And the egg - chicken who will come last, riddle keeps the producer in the middle-mans pocket. However, spiraling land prices, and limited crable land availability, will soon begin to limit both feed and cattle production. The market will stabalize because the world will be wanting more to eat than the world can produce. Even now, in a world of steadily increasing population, producers co-ops should be able to anticipate the market and self regulate production by increasing the, as yet unaffordable, advanced crop and production techniques.

One of the recently talted about agricultural improvements is increasing the mater availability to the north Tobbacco Plains area. The Glen Lake Irrigation district, one of the bright spots of farmer cooperation, and the Soil Conservation Distagram are studying the feasibility of either using Koocanusa reservoir

vater or rerouting Finkhan Creek to supply irrigated crop and pasture land. 5000 additional acres are said to have expanded agricultural potential. The prospect of doubling or tripling present cow per acre ratios should be realized. If this water project is completed secondary processing of crops and cattle should be possible. Abattoirs, tallow works, hide processors, alfalfa pellit mills, and feed lots are some of the processes that could result. Tripling agricultural productions should mean a 3,000,000 dollar cattle business - a 1,000,000 crop and \$18,000 average farmer income. The secondary industries should add another million dollars to the agricultural coffers.

Service Industry;

70 percent instate - 95% out of county. Flathead County seems to be the major beneficiary of the farm buyer. Increased local production should result in locally based service and supply business.

It probably seems as if the Planning Staff has a low opinion of local farming operations. The staff, to the contrary, has tremendous admiration for the bull dog tenacity of the local ranchers and farmers because, in the face of staggering odds, he has managed to expend his operations by steadily increasing efficiency. However, the increasing urbanization in this state has created pressures to reduce the free range. A substantial curtailment of free range will have the greatest impact in the mountain areas of the state because of the inherent conflict that cous have with recreational home owners and tourists.

Therefore, consolidation and more efficient range management seems to be the only answer to the need for increasing production.

Agriculture can be the stabalizing economic force in the northeast county area. The great potential that increased water use creates could offset the reduced timber harvests and create a healthy economic condition in the Eureka Census District. Good access to the markets in the Flathead and Hissoula further support the concept of agricultural growth.

Table 7

Number of Farm Proprietors;

	1967	1968	1969	1970	1971
Fare Proprietors	251	231	210	208	203

Farm ownership the decreased as the result of consolidation. However most of the farm owners still do not earn their primary incomes in farming. Further, a decreasing labor force enforces the theory that were and more owners are getting income in places other than the farm.

Table 8

Farm Income

By farm unit and workers

		1970 Farm Unit	1970 Farm Vorker
ED	Jureka	.369,600	105,200
	Libby	13,000	O
	Troy	49,350	62,200

Information from the 1970 census does not match income information included in the recently recieved, income - employment type report from IGR. '70 census information is used in table C. The Tobbacco Valley contains 74, of all income producing agriculture in Lincoln County. Projections suggest that future economic diversification in the Jureka Census District will be increasingly dependent on farm - ranch operations.

Christmas Trees:

Ah yes, the Christmas free Capital of the World - only two major commercial buyers still yarding in the Tobbacco Valley when 20 years ago there were 7 or 3. The national forests are viewing the sale of Christmas tree studies as an unnecessary bother and the cultured Christmas tree, with its case of harvest and handling, plus relatively high sale price seems to be - "doing in" the wild tree market. With the price private Christmas tree land being subdivided at 2000 acres for year, there

doesn't assect to be much future for large scale wild Christnas tree managements, especially since the small private woodland has been producing almost 100, more bales of trees a year than all other ownerships combined.

A total business of about 1,000,000 per year in 1971 will be cut in half by 1975. It is possible that as the result of a reduction of the Construction employment associated with the Libby Dam project, that the laid off worker will have an interest in Christmas tree harvest.

Again as recommended for general agriculture - a marketing co-op is suggested as the most efficient method of selling trees.

Covernment:

Tames - tames - tames what are they for - what no they
buy. Lest years Public Service Responsibility study listed every
public service performed by every level of povernment. Soon tames are for public service. That tames buy is another prolien altogether. Understanding what the quality of services
compared to the efficiency of operation is a problem. Definitions and the interpretations of definitions controls public
mervice quality and efficiency. Saddy the general public has
no olear understanding of how these definitions are developed
or used by the public official. The federal government and usually

state government have volumes of definitions that have been unitten to implement public service laws. The feds write their definitions (called administration regulations) as long and as complet as possible. This completity is required, they say, to guarantee that there is as little as possible room for varying interpretations. This reduction in "interpretative" variation, they conclude, guarantees that all laws will be amplied equally throughout the L.S. What these constant definitions, in fact do, is to protect the jobs of mublic officers by being so complete as to be beyond the average citizens understanding, and thereby require that he (the officer) "interpret" these regulations for the citizen. Right back to where we started and no farther shead, right?

At the county governmental level, many officials find the selves in the same position as the average citizen. This is true because the avalanche of logislation matrin, from the 6.3. congress and the State logislature is so great that county endoyees just do not have the true to become sucre of all of the real and motential impacts. Usually there is no money made evaluable by the legislature, through near a provided by increased efficiency at the state and federal levels, to such that the and citizens do about all of this.

DENAME THAT THE ENGISEATIVE PROCESS OF MARKY DEFINED PRICORITIES AND DENAMED THAT THE ENGISEATIVE RESOURCE BY USED TO SOLVE THE PRIORITY ISSUES REPORT FOVING TO LESS COFFROVERSIAL AND LESS POLITICALLY SUBSTITIVE SUBJECTS.

This will slow down the volume.

DEFINITE THAT THE SEPTIMITIONS WRITTED TO INTULMINET LAWS BE CLEAR AND UPERSTANDABLE AND THAT THE SOURCE AND ANTICIPATED AND CHECK THE PROPERTY OF HOUSE PROPERTY OF ANY LAWS INTERT OR CLEARY DEFINED. LISO DEFINED THAT LOCAL OFFICIALS IS OUT THAT THE ART DOING AND DEPOSTRATE THIS KNOWLDGO BY SUPPLYING DEPOSITE ON THE PROPERTY.

Don't pay for more services than you need. If you think something needs changing, influence your federal and state legislators, county commissioners or tour council to your thinking by providing strong and objective arguments. If they won't be convinced get the issue on the next ballot.

CITIZENS HUSE BROOKE FORD ACTIVALAND INFORMED ABOUT LOCAL GOVERNITHER HAS FAR FORE FOUND THAN HOST PIOLES REMAINED.

U.S. Porest Service
1.S. ray Corps of Engineess
Conneville Fower & Edinistration:

U. S. Porest Service optenci rational Porest total yearly budget is stable and increases in direct relationship to the level of inflation. Service and contract cost from year to year more directly reflect inflationary trends than to sclaries.

The total budget in general and "un-audited" terms for the Kootenei Mational Porest is:

	P4 - 74
Total pudget	.5,324,442
Salaries	:3,039,160
Service and Supplies	2,285,282
Contracts	802,302
Lincoln Co. Contracts	250,102
Ollother Contracts	. 512,199

Generally speaking, therefore, the total money spent for forest operation in Lincoln County is 4,131,55% or about 76, of the budget.

Increases is oney ment by the forest service in Lincoln County could happen if more local contracts were let.

U.S. Arg Car a of Inglueers - Wing Dande moville gover administration;

fie Cores and conneville marrly budgets are jet stable concuse the assumt of color scent, not only relates to inflation,

but to the work level of the various contractors for Dan related work. This definition will, therefore, contain a budget projection for the time when the Dam is completed.

These figures too are general and un-audited and are for Fiscal year 1975;

Corps Budget 320,500,000 - 665 medule

Local service and contracts 198,000 - 100 people

Local service 0 0

Dem Power House Dwiget when total project is completed;

Corps .555,000 97.3 reduction 37 people 94.4% reduction

Domacyille .50,000 93.6% reduction 3 people 97.5 reduction

U.S. Corps Re-regulation Dan Budget Estimation:

Final plans for this day construction are not yet available, however, a projection of a maximum year employment for this project is expected to be about 1000 men. The reported total budget for this project is 467,850,000 with an animal budget of 410,340,000. To attend has been made to letail long range economic cost of environmental dayage in the cost benefit ratios. To new a for special unheavels are projected by the staff or by Dr. iche in his "modio-loonomic Effect study - Te-regulation Day on Kootenci fiver near Libby, o stant", lessons from the past should be headed bovever.

- 1. The cal government should take a strong stand on "conmitments" made by the "corps" regarding recreation
 retential. The new impact statements provided by the
 corp and the U.S. Porest Service should "guarantee" in
 contract form that the total dam facility will include
 recreational facilities to accommodate anticipated visiters.
- 2. Local government should "support" affected land owners that are being displaced by this facility. Private land taken by both projects should, in the staff's opinion, be replaced with""like" federally owned around in Lincoln County, whether or not the displaced people wish to trade land. Press around Libby Fisher diver drainage and the Tobbacco Claims should be transfered to private use.
- the regative impacts should be mitigated through contractional relation between the povermental entities involved. Lost deer range is a good cample. If our tions, local, state, and federal should be discussed and the plan that is finally approved be signed by all case only often entensive ablic hornings. These discussions should not be made as the result of unitational action. (Interprecemental Cooperation set = 1000=1000).

Local dovernment - Undget:

County government is going to grou within the next several years. Increased service responsibilities in the areas of assessment practice, planning, and environmental health will require expanding tochimcal staff.

FA = 1974 budget 01,700,000.00 represents a 30, increase from the previous year

General	15.3	7
ನಿಂದೆ.	พุว	17.
Bridge	u.	100000
l'oor	up	20 ,
Library	n)	ر.5
Cogent	wj	0,7
Jo. Rurr	up	25,
Airmort	นา	16;

the bringe budget is we because of the need to replace several bridges. Increase in the reneral fund can be satisfacted for the next budget year. In a recent study on local government conducted by the staff of the legional Planning association of Testern Fontane, the percentic empenditures for county poverment was lower in bincoln County than in 7 of the other 9 western counties, and such lower than counties of comparable size.

Juneta, demond one Pray's votal bullats amount to approminately 100,000. Nost of the budget (about 60) is allocated for law enforcement.

Remford does not collect any miles, their total budget is funded by water and severage charges.

General Cornent:

Governmental spending in the form of calcules and contracts has assumted to about 40% of the total espandable income in Lincoln County.

The level of povermental involvement is expected to drop sharply by 1980 because the completion of the Libby Dail Project. By 1982, poverment should be below 15% of the exployment and income.

The fact that the total master of people involved directly with povermont work was less than 20% of the total indicates that povermont pays such one than rivate enterprise. Ill of this over-waved povermental help - or convent labor can be estributed to federal embloyment and the Libby was project however cance local povermental schemes are about 25% less than in the west coust of test and chart y less than their mustain states.

Projection . Literactives:

Discussion - 'oods Horly

Increase Marvert

The timber business, as has been discussed, is retting more competitive because of increasing technology and the reduced evailability of the raw materials. Opportunities for greater volume use of the tree are being sought. Even the "gyp o" miller can buy equipment that reduces herbs and saws down to a 3 inch top. Chips, sawhest and slabs are all being used. Innovative solution to the harvesting techniques are being studied in order to leave less of a sear on the landscape. Interesting work is being done in the U.S. Forest Service Research Center on chip board production and in many other areas of raw log production and product refinement.

That alternatives emist to improve the local wood's resource?

Decrease Harvest

Titos ocopo incia y ou v		a surple control of the control of t		
	720	con	pro	con less local
1) nore mills	less officiency	less tills	service benefit
20	oristin dills	less local service benefit	emistin, mills	less efficiency
3)	nore profit	less trees	more trees	less profit
4)	more colognent	more meanle	less earloyment	less recole
5)	nore bi game fee	d less cover	more at le cover	less feed
6)	Treater water run off	erosion da lage	less erection	less water
	nove by products industry	use secondary	less by woducts industry	bse secondary

Increase - Decrease Harvest

IF AND AND A TWHOT FOR INCRESSING THE HARDEST, THE MOUTH OF THAT INCREASE WILL DEAR HIM THE PARSIBILITY OF II - CREASING AND HUDDER OF THAS PARSED FOR PROCESSING. IF THE SCALE OF HERVIST INCREASES ABOUTEDED CUPITOL HIVEST-HERT DOLL TO ANOTHER HILL, THE LOCAL SUPPORT SERVICE ACCORDING TOURS DESCRIBED.

IF TH, HARVEST IS LICRELSED THE SHILL TILLS IN THE PORTU-LIST COUNTY WILL BE HIT THE HEYEST SINCE A REDUCED TESCURG. BASE WOLLD SHIPTLY ERODE THERE COMPETITIVE POSITION. The coder mills in and around Troy will remain stable as long as they don't overharvest the moduct.

Projection:

Increased "Big" business control of market and raw interial due to better product knowledge and integrated nature of their operation.

Durlin to: Industries and the St. Regis Commany are both huge international coordinarrates. They both real in the tar 25p of the actions 500 localing or ranies. If there is gain; to be a problem with surviving in wood processing business in Lincoln County the tar big fact with he the test to "to broke".

The only may that small mill operations can be remarted is by "subsidising" the small mill other through showle' lab.

Forest Service bidding techniques. I study of current Forest Service bidding procedure should be undertaken to define comprehensive economic impact. It will be found that if the emphasis on individual sale, short term government profit is to be used by the Forest Service as the main criteria for awarding bids, then the small operator will find it increasingly difficult to compete because of his larger operating wargins. Emisting or increased "high Forest Service take" stumpage costs can only lead to reducing the competative position of the small business can in every line of business.

.ining:

Discussion and Projection;

very stable industry. This industry will terminate operations when raw material is depleted.

The limited nature of the copper resource will preclude intermediate processing, thus limiting environmental concerns to exercation and transportation factors. The vermiculity resource appears to be long tor: . Impanded product research and development could result in intermediate industrial processors togething in Lincoln County.

Increased product depend coupled with reduced raw paterial supply will prolong wine life because an "inferior" raw material will become economical to process. reduct recycling will also become profitable. Sincoln County will benefit from this

to the consumer markets. Additional minorals will be "discovered" within the next 16 years that will extend the mining industry at roughly the present level for the forseeable future.

Farming Projections

Form - ranch overations will become a strong second to the timber based industry in the Euroba Census Dist. Increased farmer co-operation in production and marketing can stab lize the economics of the farm business and local goods and services.

Government Projections;

Will continue to displate the resource in an inefficient sames until uniform information and fiscal membra wit systems are instituted. Direct public involvement is required before highlications in effort and service will be minimized at all levels of government.

Final Shot

The biggest complice webler in the county is that the empired areas are not matching the increases in the levels of empedable instance. Some cicle indicates, in his study, that while emptruction carrie, a long from 1 dillion collers in 1965 to 20 dillion in 1971, the whole state - retail and service thade compares less than Coulde' in

the same time frame. The temporary nature of the Libby Dam project is certainly the major factor in limiting capital investment, however, even after the dam has been essentially constructed and work forces reduced the average facily income in Lincoln County remains the highest in the state. Projections for an increase in construction for the re-regulation dam suggest fiscal stability on the 1980's at least.

decreation:

Recreation has been inserted here because it is not an industry but a retail trade venture.

tecreational Use Income;

Of the 34 plus privately ounce recreation areas in bincoln County, only 28 or 20 are serious attends to make money. These, close to thirty, establishments gross about 200,000 per year or everage less than 50,000 prices. This income pattern indicates a close similarity between recreation income only famous comes, foot recreation and famo owners make their primary or secondary living at some other business or ab. Some farm - remainers our recreational areas and vece-verse.

If recreation is to become a similificant income producer in Lincoln County, then great additions to the present levels counted investment past to further disc. The obvious lace for

this investment is on the Robermusa beine. If, for example, this great body of water can be established as a vacation terminus then the capital invested at and on the bake will stimulate similar investment in emisting and future commercial recreation throughout the county.

Caution must be offered here, however, because the recreation "industry" is not an industry in any stretch of the inagination. For enable the direct income sultiplier of the
timber industry shows: land owner income, tree harvestor income, princry - secondary mill income, wholesales - broker
income, retail income or from 5 to 7 benefactors from the tree.
All this plus secondary income to wholesale and retail supporters all levels.

On the other hand recreation supplies wincey income to the land owners and the recreational development owner usually is the same error. Secondary income accrues, but the seasonal nature of this "industry" loca not encourage the establishment of local surliers.

The U.S. cover set figures of 500,000 visitor descould meen, depending on the nature of the overage visitor stay or-iod, over (4,000,000 increase in local incode, 100,000 seconde visiting one day (12 hours) spices or 250,000 visiting two days or etc. the longer the stay the larger the in livideal daily investment in that stay. The longer the stay the stay the larger the larger the day or

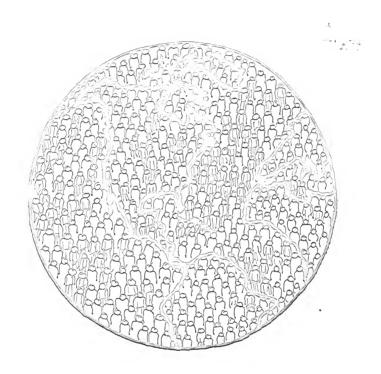
the investment in land area resources must be made to facilitate that stay. The definitive denning study on connercial recreation to be conducted next year will define the ratios of space to visitor and collar to visitor according to duration of stay. Further next years study will attempt to develop a consistent by responsible agencies on their role in a program to increase or decrease the consercial recreation potential of Lincoln County.

Weeds for "low industry";

The mining of nonferrous metals and lumber and timber bosic products are listed in "Stuart Chapins-Drbon Land use Tlanning" as "highly sensitive" to the national economy. Industries and services such as: computer manufacture and use, food and himbered products, printing and publishing, recreation and high shall or craftsoon trades are some new business which should be encouraged to locate here.

The problem with locating these types of business is that we do not have a know pool shilled in these creas. . Program for retaining local workers and providing tiving systems for now people will be required IP such business is to be encouraged to locate here.

LAND USE



Introduction and Goals:

The manner in which the less is used reflects the attitudes of the people. The attitudes of the people are, therefore, critical to the success or failure of <u>cay</u> plan for the use of lend. The tent of this preliminary land use statement provides a climpse of peoples attitudes toward land use planning and land use planners in Lincoln County. This plan also clearly states the planners attitude toward the manner in which the land is used. An interchange is, therefore, hereby initiated about attitudes.

"Attidude - position or bearing as indicating action, feeling, or wood.

--- Tebsters Het Colle mote Dictionary

The play on words suggests both confusion and cohesion. On the one hand the people, as a general <u>rule</u>, mistrust planners and lanning because of the mople's resistance to the <u>implied</u> control. On the other hand the planner, once <u>sure</u> in his aginism about the limits of "cood" planning, because <u>less firm</u> in his position about the nature of the individuals respecibility for the co...on "good".

One thing remains "true";

A DEFINITION OF THE EMILIBRIALS ROLL IN SUPPORTE CONTRIBUTIONS AND ADMINISTRATION OF ADMINISTRA

Gonis statements have been written in the past, and in

every part of the United States to "start" the planning process.

The staff electioness in the field of goals writing requires
the following statement.

Since 1954 millions of dollars have been misspont in the federally subsudized "701" planning program. Buch of this mis-spending is due to the requirement by HND that "goals" preceed planning. This goals statement "pre-quirement" has load to premature and superficial consultant and staff prompted "mublic goals" because of the planners misguided compulsion to provide "substance" in his work product.

Coals as in every other phase of planning forever, require thorough study before relevancy can be determined. The best way, in the strff's opinion, to attain relevant goals is to provide an information base from which alternative future community developments can be determined.

The attempt to provide a formul for goals determinations is offered in the following statements which beg the critical questions about lead use.

Transportation:

fransportation: emists to servit the social and economic activities of seconds. Erancontation planning tries to servide a balanced system to serve the activities of seconds in the most efficient conner possible.

Since streets and highways are the easier inter and intercounty links, the fractional definition of these there, hierais critical to the satisfactory adultanence and ergansion of needed readways. Since thevel involves overment along a network of reads, the purpose of each read or street within such a network, can be described through the use of a functional classification system. The guiding factors in determining the functional status of highways, reads, and streets are the percentage load of traffic that is found to be traveling between 1) major repulation nodes, 2) economic centers, 3) through and around urban areas, 4) on farm to market reads, or 5) to recreation centers.

Each county and the State of Pontane Department of Highways cooperate to develop a system of roads and to leter time the individual governmental entities responsibility for a given part of the total system. The degree to which an individual road provides land rarcel access is the scale on which responsibility levels are determined. For emple streets and roads which serve primarily to provide direct access to land parcels are provided and maintained by local government. Highways and thoroughways that it vide poblity between towns, counties and states are the responsibility of the state and federal governments. Clanners are not so such interested in the abount of traffic that a particular road carries but the "ournose" for which most of the travel is notivated. The corridor patterns map details current and projected county - state

priorities. The individual town was for Eureka and Remford show intro town circulation systems. Standards for construction are found in the bubdivision Ordinance...

Air:

There are three county ouned and operated airports, shows on the map, that provide facilities for private air travel.

These airports have no scheduled or non-scheduled connercial air service. The facilities are deemed adequate by the State Division of Aeronautics and the Federal Aviation Administration. Use statistics indicate that these facilities are now adequate and that no major expansion will be required until after 1985.

later:

summer - international system for transportation people and roads using the Ecocomuse reservoir is ressible. Intensive use of this water resource is not anticipated for either transportation or pleasure, however, until the problems of floating debree are reduced. After the water has reached must me pool area about four times, the use of this water resource will increase. Commercial use will not occur until after 1985 and not until a rail her? is established for transmissent. Higher, and coal are commedities that could be transmissed on the local mean.

Utilities:

Uater and Sover Systems;

A document entitled "Mater and Sever Man 1970 State of Tontana - Volume I", published for the State Department of Planning and Resource Development (now ICA) contains a description of all water and severage systems and resources in Lincoln County Fontana. Other details about water availability and water quality achagement have been sublished by the State Department of Health and Mavironmental Sciencies and the Department of Hatural Resources.

The format established in the State of Montana - Volume

I plan will be used here for clarity and so that record keeping

can be coordinated with possible future State of Montana systems

for updating the material contained therein.

This brief plan uplate is intended to revise information wovided in the "water and sever plan maintenance system".

GLABRAL UPDATH CO. TUNITY WATER SYSTEM FACILITIES

LUGGLE COUNTY

Buisting Systems:

The "Comprehensive area-wide later and Sever Flan-1970" State of Touting - Volume I continues to Toscribe the status of emilting systems emeant for the toun of Jureha which has installed the systems improvements that were defined in that focument. "Specific times for Mater System I provements for Thursha,

ontone, we leet number 152-01-02 by orrison of a siorle, inc. completely defines the new system. Remford, Nontone was completely left but of the 1970 study, therefore, the staff has written a section for Remford. Since the City of Libby has a completed General Flam which contains data on undeted systems no reference will be made concerning the systems within the Gibby - Lincoln City - County Planning Board's jurisdiction.

Dristing System:

RALIFORD

Her Temford has a normalistic of 106 persons. The Remford opulation has decreased about 200 months from the resident sopulation of the old torn site. We development of the Remford seach Recreation area on half Research will be the primary detrinent of complation wouth in the inselicte future. Described at the stability in the short term also depends about the Jone's development for support. The St. Regis butter to capy on the C. . Porest service are presently offering the 10 for embloyment opportunity to the form of before.

Orb Late Well as a constitute the unter on ly source for the town. The well is togeted 2 miles worth west of the town site and our lies water at the rate of 10 willows our distance to a 150,000 and store with a first leaf of the unit of the constitution. It though the emisting system is now, any in the new installer.

by the U.S. Corps of Engineers (see "Inter Supply and Distribution System - New Remford, "Ontone Operation and Emintenance Hanual October 1972) the term has already emperioneed a period of critical draw down during late July 1973. Sprinkling laws and gardens has required that a time limit be set on hours for sprinkling. Any increase in so whation will begin to test the capability of the emisting system to provide a normal water use capability to the citizens of lambord.

I provements Heat Pive to Ten Years:

Increased purpling capacity from the emisting well and the creation of another water source is recommended to meet doubling of the emisting production. For Remford to remain economically viable the population sust at least double in this time from. Thirty to forty families out move within the corporate limits in order that the full range of town services be maintained.

Cost Astimates;

Lew well - 100 yellow ner minute capacity 6,000

Englding 6,000

Ungineerin; W)

Continuoney 1,000

Total 15,800

How it , - 100 follow or inute empacity -5,000

Grand Total 21,000

The location of E new well will determine the cost of way new pire requirement.

Improvements by 1550:

The staff does not believe that projections into this time frame are useful. Mistorical growth matterns tend to become counter-productive as projection tools must the ten year period because of the rapid change in technology.

GENERAL UPART COUNTRY SIDER PAGELIFIES

Fristin Systems:

Burelta is defined in the statewide lan.

Improvements Fert Five to Jen Years:

The John of Larch 's secondary systems requirements with be in effect by July 1974. In increase of the present 300 treatment from 30, to 950 to 1000 will be required, beveral options exist for the required increase in treat ent capacity. Iternatives range from high speed trickling filters to explation while and from extending an interceptor win to the lambord dent to exploring new technology in the area of individual have unit treatment.

The alternative coffered here will include; high volume treatment especity to a new real ratio system, low volume treatment especitive to some used paths protein on the track. The to the John of learning to treatment facilities.

Cost Dstimates

Land	.15,000
Lagoon Areation	-54,000
Inverted Siphon	5,000
Contingency - Engineering	15,000
Total	89,000
Secondary - high volume to space used capacity	.150,000
Contingency - Ingineering	30,000
Total	180,000
Burelia - Remford Connection	264,000
Contingency - Engineering	50,000
Total	314,000

COMMUNITY SENER SYSTEM FACILITIES

RELATIORD

Amisting Systems

The recently completed seugge treatment facility provides a satisfactory treatment on ability to service 1,500 to 2,000 persons plus handle the anticipated recreation area on Aemford Bonch during the peak period of tourist. Note: Complete system descriptions have not yet been completed by the Corps and the consultant engineering firm. These systems analysis will become part of the bibliography for this study when completed.

Improvements Next Tive to Ten Years:

The design life of the system is 50 years and there seems to be no reason for the expansion of the collection or treatment facilities with the next ten years. Fees are presently being developed to pay for paintenance and equipment replacement.

The possible connection of the Eureka system to the Remford Sewage treatment facility has been costed in the Eureka section.

WATER QUALITY HARAGEMENT OBJECTIVES, DESIGN CONSIDERATIONS, AND COST ESTIMATING BASIS

The purposes of this section are: (1) to develop basic parameters for determining vator and severage system expansion requirements, (2) to present design criteria and define basis for sizing major elements of the various systems, and (3) to set forth the capital cost estimating basis.

Mater quality management objectives and projected wasteuater discharge requirements are generally discussed to provide a basis for establishing the necessary level of performance of future systems.

It is anticipated that this report will be instrumental in establishing the basis for preparation of final engineering designs must conform to the requirements of certain control agencies, the design parameters presented herein were determined to be in reasonable conformity with design constraints which may be imposed by these control agencies.

Water Quality Management Goals:

The recently proposed "Water Quality Standards" offered by the State of Montana Department of Health and Environmental Sciencies describes goals and procedures for implementing a "State Plan" for water quality. The planning processes that will be in effect for the state's water quality Hanagement Program contains strategy for a continuous planning effort for water pollution control and maintenance and protection of state waters.

Projected Wastewater Discharge Requirements:

In the past decade the discaarge requirements set forth by the State Department of Health and Environmental Sciencies have undergone tremendous changes toward more stringent limits and more determined application. This has been a reflection of accelerated public awareness and concern about water polution, and its effects upon the environment. It is natural to expect further refinements in quality criteria for effluent discharge, plant design, construction, and operation, etc., in coming years. Such refinements will be particularly influenced by advancements in waste water treatment technology. These advances are expected to come about as research and development assumes a greater role in this field.

It may be fairly expected that future requirements will place a greater emhasis on total dissolved solids such as salts.

nn increased demand for fresh water will certainly exert a greater impetus for lower salt content in groundwater particularly.

Water Supply System Objectives:

The drinking water standards for potable water supplies as developed by the United States Public Health Service may be expected to prevail as the minimum acceptable level of water quality for domestic purposes. However, the water quality required for certain industrial uses would suggest the evaluation of quality demands on an individual basis for these industries.

In order to insure the continued provision of acceptable domestic water, the State Department of Health and Environmental Sciences and the Lincoln County Health Department have established local water supply and quality objectives. These objectives should be supported with enthusiasm and constructive imput.

dater Supply System Design Considerations:

Generally speaking, water supply wells or elevated storage reservoirs should be distributed uniformly throughout a system and located in the areas of greatest vater demand. The production capacity of any proposed wells may normally be expected to equal the capacity of emisting wells in the same community, assuming that the existing wells have been producing to the fullest of their integral.

A very important consideration in the design of unter supply systems is the maintaining of service during periods of power outage. A system should not be expected to supply maximum demands during this period, but should be required to supply at least the average day demand. Most power outages in Lincoln County can be rectified within a four hour period, however, if a fire were to occur during this time, most of the supply available from existing elevated storage would be depleted within one hour. The system, then, could not serve the domestic or fire flow needs. A comparative cost analysis indicates that it is more economical to provide standby power generating equipment on existing water supply sources than it is to provide additional elevated storage.

Factors which should be considered in selecting a new well site or an existing site on which standby power is to be provided are as follows: (1) The capacity of the well, (2) the cost of the generating unit, and (3) the probability of noise problems.

Wastewater Pacilities Design Considerations:

Design Flow Basis and Pipeline Sizing Farameters. In order to evaluate the capacity of existing trunk systems and to provide a logical basis for determining the required pipeling sizes of proposed systems, feelt flows must be considered. Figure I

was prepared to show the relationship between tributary population and probable peak flow factor. The reciprocal relationship shown is based upon studies dealing with systems for communities of the populations included in the Planning area. Interceptors and trunk sewers were sized according to the general parameters presented in Table - I.

PIPELINE SIZING PARAMETERS

TABLE * I						
Population Equivalent	Peat Pactor (1)	Peak Flow Per Acre (2) EDM	Pipe Size (inch)	Pipe Capacity (3)	Service Area (acres)	
800	3.1	3.23	6	174	54	
1.600	2.0	2.92	6	312	107	
2,700	2.6	2.71	10	486	1:79	
4,200	2.4	2.50	12	702	281	
7,200	2.2	2.29	15	1,097	479	
11,400	2.0	2.08	18	1,583	761	

- (1) From Figure I
- (2) Based on average flow of 100 gpd and development of 15 persons per acre.
- (3) Based on full flow at minimum slope to maintain velocity of 2.0 fact per second as determined by Januarys equations with n = 0.013.

Table - I provides a correlation between population, sipe size, and service area based on a uniform density of development of 15 persons per acre. Decause of the variable nature of the assumed conditions, the sipeline sizing basis presented in

Table - I should be employed with a degree of good engineering fudg ment.

Design Criteria for Pump Stations and Force Mains. Pumping stations should normally be constructed with at least two pumping units, each capable of handling flows somewhat in excess of the expected maximum flow. Where three or more pumps are necessary, a selection is made of pumping units having a total capacity such that with any one pump out of service the remaining units will have the necessary capacity to handle maximum flows. Due to the likelihood of power failures, standby generators should be considered in all cases.

Where necessary, purping stations should include air compressor units which could inject air into the discharge piping in order to minimise the production of sulfides within the force mains.

From the sesthetic point of view, sites for the pumping stations should be chosen which result in minimal effects upon the neighboring area. Where desirable, consideration should be chosen which result in minimal effects upon the neighboring area. Where desirable, consideration should be given to the use of underground installations.

Force mains from pumping stations should be sized to mininize outping and maintenance costs. Velosities in force mains normally vary from a minimum of 2 feet per second (to control deposition and sulfide generation) to maximum of 7 fps (to avoid corrosion and excessive energy losses) for the range of flows anticipated.

Mastewater Transment Facilities. Wastewater treatment facilities have been recommended which are expected to conform to the established discharge requirements and which afford maximum potential for reclamation. If future discharge requirements place a greater emphasis on total dissolved salts, it is possible that more sophisticated methods of treatment may be required. Never-the-less, the treatment methods considered in this study may be described as follows.

- Stabilization pond treatment processing in a type of oxidation pond in which biological oxidation of orgamic matter is effected by natural or artifically accelerated transfer of oxygen to the water from the air.
- Primary treatment A treatment process designed to remove from the sewage a high percentage of suspended matter but little or no colloidal and dissolved matter.
- 3. Secondary treatment the treatment of wastewater by biological methods after primary treatment by sedimentation. To some extent secondary treatment is achieved in ordination and facultative ponds; however, for purposes of this study, secondary treatment shall

be considered to imply one or the other of the following:

- a. Biological filtration treatment the process of passing a liquid through the medium of a biological filter thus permitting contact with attached zoological films that absorb fine suspended, colloidal, and dissolved solids and release and products of biochemical actions.
- b. Activated sludge treatment A biological wastewater treatment process in which a mixture of wastewater and activated sludge is agitated and aerated. The activated sludge is subsequently separated from the treated wastewater by sedimentation and wasted or returned to the process as needed.

Capitol Cost Estimating Basis:

The capital cost of any project represents the total expendature which must be made to construct the project including the cost of land acquisition, construction costs, engineering services, legal fees, and contingencies.

Construction Cost Indices - Construction costs have been rising in the United States for many years and it is anticipated that this trend will continue approximately as indicated by the product (Engineering News Accord) Construction Cost Index shown on Figure - 2. All cost estimates presented in this

report were estimateed on the basis of 1972 prices corresponding to an ERR Index of 1500. Therefore, estimates for all projects to be constructed in the future should be adjusted to reflect the actual funding required.

Unit Construction Costs - Estimated unit construction costs are presented in Figures - 3 and Figure - 7 for the various project elements considered in the recommended systems. Although these cost data were based upon independent evaluations of construction costs emperienced in the planning area, they commare favorably with unit costs presented in similar reports.

Cost of Land Acquisition - Construction of trunk severs and major water distribution system improvements will generally not require significant purchases of privately owned land. Pipeline routes should be aligned where practicable to follow public streets and roads. For this reason, no attempt was made to estimate the cost of land purchases in connection with pipeline construction.

Land requirements for wastewater treatment and disposel facilities and for water supply wells, however, are more considerable. Land required for treatment and disposal facilities was estimated at 500 per acre and land required for water supply wells at (1,50) per acre.

Engineering Costs and delated Expenses - Engineering com-

pensation drawings, specifications, and related documents has been applied as a percentage of total construction cost, and varies with the volume of construction in a reciprocal relationship. The percentages used for the facilities included herein are in the range of 7 to 12 percent of construction costs and are commensurate with those most commonly used and outlined in the American Society of Civil Engineers hannel no. 45 (Reference herein). A cost allowance for contingencies to cover all unpredictable items of construction has similarly been added as a percentage of construction costs and is included at 10 percent.

Legal and administrative expenses usually fall between two and three percent, and the cost of financial advice, printing of bonds, discount of bonds, etc., between one and five percent of the construction cost has been used.

The estimated costs for engineering and contigencies, legal administrative, and financial empenses will thus vary between 22 and 27 percent of construction costs; in all the cost extimates shown 25 percent has been included.

Blectric Utilities;

Lincoln County and the towns of Eureka, Libby, Troy and Rexford are divided by 3 utilities companies, two of the companies are public co-ops and one is a corporation private system. Lincoln Electric Coop services the Eureka Tobbacco

valley area. Pacific Power and Light services the greater Libby area, Northern Light Company services the rural Troy and Yaak districts and the St. Regis Company services the toum of Troy with electric power. All systems boundaries are shown on the corridor patterns may.

Pacific Power and Light's policy on extending service follows.

FACIFIC POWER & LIGHT COMPANY GENERAL RULES AND REGULATIONS

26. LING EXTENSIORS:

- A. Applicable: This rule is applicable to all prospective permanent customers located within the Company's service are providing the proposed line extension con be built from an existing distribution line of 12.4 Ev or less. This Rule is not applicable to temporary service.
- B. Definitions: An extension is herein defined as any branch from, or a continuation of, an existing Company-owned overhead distribution line other than a service drop.

 Extensions from customer-owned lines will require special arrangements. An extension may be for either single or three phase service or may consist of the conversion of an existing single phase line to three phase with or without further extension of the three phase line.

The cost of an extension, as used herein, shall be the total construction cost of the extension, including meters, transformers and reasonable overhead charges, plus the cost of any addition to or rearrangement of present facilities necessary to serve the entension.

devenue shall be the estimated or contracted annual income, which Conjury expects to receive from customers to be served by the extension, calculated according to the terms stated in Section 1 of this Tule.

C. Contracts: Company shall not be required to build an extension

beyond the Free Entension limit until the customer or customers have signed an acceptable contract guaranteeing payment of a minimum monthly charge for a period of not less than 60 months together with any Prepaid Revenue required under this Rule. In case the premises to be serves is occupied by a tenant, Company may require the property owner to sign the contract. Payment of the contracted monthly minimum charge shall start 30 days after the completion of the extension, unless a later date is mutually agreed upon.

D. Overhead Extension:

(1) Free I tension: Company will construct without cost to the customer, or customers, an extension when the cost of such extension is not more than twelve times the estimated annual revenue to be derived therefrom as provided in Section I of this Rule.

(2) Prevaid Revenue for Extensions Beyond Free Extension Limit: For extensions which cost more than can be built under Section D (1) of this Rule the customer shall, except as hereinafter provided, make a cash payment of Prepaid Revenue equal to the amount in which the cost of the extension exceeds the amount of Pree Extension calculated according to Section D (1) of this Rule.

When the actual cost of an extension is less than the estimated cost, adjustment shall be made in customer's Prepaid revenue payment by recomputing such payment on the basis of actual cost, provided that the customer has installed the equipment for which service was contracted. If the actual cost is greater than the extimated cost, no additional payments are "assessed to the customer.

- Company may install, without payment of Prepaid Revenue all or any part of the facilities in excess of the Pree Extension when in its opinion such facilities are justified by additional future load to be served, or where such excess facilities will be used for general system improvement. Customer may perform certain work in lieu of part or all of cash payment where such work is acceptable to Company.
- 2. Underground Extension: Underground line extensions, in lieu of overhead extensions, will be made only where mutually agreed upon by Company and customer. Such agreement shall provide for the reimbursement as Prepaid devenue by customer to company, of the excess cost to Company of the underground

extension over the estimated cost of equivalent overhead extension. The customer shall also advance any Prepaid Revenue payments which may be required in accordance with Section D (2) of this dule. All other provisions of this Rule shall also apply to underground extensions.

- F. Routes, Easements & Rights-of-way: The route of an extension shall be selected by Company and the prospective customer shall, when necessary, provide, without cost to Company, rights-of-way or easements satisfactory to Company for the construction, operation, and maintenance of the extension. Customer shall permit company to trim, clear, or remove trees on or over customer's property.
- G. Permanent Seasonal Service: Entensions to serve permanent customers desiring scassonal service (such as camps, submer homes, etc.) will be made in accordance with all the provisions of this Rule encept that the annual minimum charge shall not be less than the sum of the twelve monthly minimum charges applicable to a non-seasonal customer, which sum the customer will contract to pay for not less than five years beginning 30 days after the date service is first made available.

Customer will be billed for electric service in accordance with the provisions of the appropriate rate schedule or contract. Customer will also be billed at the end of each season for the deficiency, if any, between the total of the bills rendered for electric service during each season and the contracted annual seasonal minimum charge. The above shall apply, except where seasonal rates are in effect in which case the higher of either the rate schedule or the contract minimums will comby.

- II. Extension Limits: In we event shell the Company be required to construct, under the provisions of this hule, any extension which, in its ordinion, is not combile of further revenue development, or which requires special considerations because of unusual construction requirements, lact of reasonable assurance to the permanent continuation of required revenue, or any other unusual conditions.
- 1. <u>dethod of Letimeting Revenue</u>: The estimated annual revenue shall be computed by applying the appropriate schedule to the monthly but (and but if a factor in the schedule) of estimated average monthly use which the Company can reasonably

empect the prospective customer to develop within the initial five-year period of the emtension and multiplying the result by twelve.

For summer homes and other seasonal service the annual revenue will be the monthly average use amount multiplied by the number of months in the season but in no event less than the sum of twelve monthly minimum charges applicable to a non-seasonal customer.

- J. Additional Customers: Each new customer connected to an existing extension or to a continuation or to a branch thereof on which the initial five-year period has not expired for the customers who contributed Prepaid Revenue to such extension, shall share in the Prepaid Revenue payment of the existing extension by making a Prepaid Revenue payment or other arrangements which maintain substantial equity between such existing customers and the new customer.
- Refunds of Prepaid Revenue: Refunds of Prepaid Revenue will be made to emisting customers or their legal assigns (a) when the actual cost of an extension is less than the estimated cost as provided in Section D (2) of this Rule; (b) when a new customer shares in the Prepaid Revenue payment of an emisting extension as provided in Section J of this Rule; (c) when temporary customers are connected in accordance with Rule 2 (e) hereof to an extension on which the initial five-year period has not empired. The total amount of such refunds shall not exceed the original payment and all refunds shall give consideration to the remaining in the five-year period beginning with the date of initial service, the revenue recieved or estimated for service and such other factors as may provide for equitable adjustment to customers who made Prepaid Revenue payment.
- L. Restrictions: Notwithstanding the provisions of this Rule,

 the embension of Company's lines and service shall be subject to such restrictions as may be imposed from time to
 time, Curing wer or other emergencies, by the laws of the
 United States, by executive and administrative proclamations,
 and by orders or regulations of the Nontana Public Service
 Commission.

Issued July 16, 1964

Dffective Sentember 23,1964

Review of all other electric utility policies paralell the ...
Pacific Power and Light statement.

General telephone and Interbel (subsidary of Lincoln Electric) provide telephone service to Lincoln county. Interbel is expanding private line service to all of their users. General Telephone has limited service in rural areas. For example the town of Rexford is serviced by General Telephone with a 5 party line system. The Corridor map shows the extent of each companies service.

Pubilc Facilities:

As defined in the "First Six donths" capital improvement plan the following list of improvements are required to existing public facilities:

County -

- 1. The road crew shop and Commissioners office in Dist. 3 are becoming inadequate an size and available support facilities. Further there exists a conflict with town of Eureka business and circulation system - recommended sale of existing facility and move to support property estimated cost -- 60,000.
- The court house needs to be completely remodeled and expanded to meeting technical and personnel needs.
 This remodeling could include a new fail facility.
 Estimated cost -- 600,000.

Town of Eureka -

- Jew sewage treatment facilities to provide secondary capacity estimated cost -- 330,000 (consultant estimate).
- Improvement to down town by providing additional parking and tourist rest facilities: estimated cost ---10,000.
- Town hall improvements, new roof -- 3,000.

 Town of Rexford;

- Heed expanded recreation and park facilities to include improvement of Ponderosa Park tennis courts and sketing rink estimated cost -- .14,000.
- 2. Need new fire truck and pumper estimated cost -- .40,000. Schools:

Consultation with school officials and study of available enrollment statistics are as follows:

Hame of School	<u>1</u>	A year enrollment reduction or in- crease in percent	School Facility Condition	
Troy	-	12,2	high school needs remodeling	
Tooley Lake	-	37%	0.15	
Renford	-	47.5	New	
Eurelia	-	1.4%	New/HS ON	
Fortine	-	10%	01:	
Central	-	11%	01:	
Sylvanite	+	30%	expansion - need winter inside sports crea	
Yaah	-	12,	Olt	
Trego	_	.017	ı¹ew	

Statistics show that the national trans for lover birth rates is apparent in Lincoln Cow.ty. Only 20 of the Telementary schools have had an increase in the first cade carollucat. Seven schools have a declining first year attentage. The total

numbers of students enrolled has fallen in the last four years in all schools except one. Lower total attendance in the upper grades mean a family out migration.

Based upon this information we can conclude that the present school facilities are adequate to meet the needs of Lincoln County for the next 5 years even though the total population increases slightly.

The Troy High School needs some remodeling, and the Sylvanite school will need to be expanded if the present increased enrollment trends continue.

Land Use - Physical Characteristics and Trends:

The enclosed maps and text have been amended for use by the LCUPB from maps provided for clanning by the Western Montana Regional Planning Association. The landscape unit map has been amended to indicate recent land use trends and existing land use. Specific land use is shown on the Eureka and Rexford maps.

The attached geology map and the soils maps indicate general features of the land scape and soil which limit use. The following text explains the nature of the land features and provides a matrix that defines land use suitablity. Specific soils analysis has been completed for some areas of the county and this information is available through the unit conservationalist at the U.A. Soil Conservation Service office. Changing the use of land requires that the information rovide in this study be used to guide precise development plans. All development plans should include clearance with the county sanitarian and study of soils limitations. Assistance in soils analysis is provided by the U.S. Soil Conservation pristrict.

Geological Descriptions and Man Key:

The geology me overlays were related by combining existing studies of specific areas or formations and filling in sec.s lacking detailed information with an existing toologic of the State (scale - 1:500,000).

The following map key provides unit by unit descriptions including general characteristics of age, engineering qualities, physical appearance, hegards, and availability of water.

This information should not be used as a substitute for on-site investigation.

UNIT DESCRIPTION

Oal - Alluvium - includes alluvium, colluvium, some terrace deposits, sloje wash, flood plain deposits, alluvial fans GEMERAL CHARACTERISTICS

- 1. Age: Guaternary.
- Meterogeneous unconsolidated sediments ranging in grain size from clay to coarse gravel.
- Deposits composed mainly of clay, silt, sand, gravel and pebbles of various lithologies.
- 4. Usually well sorted and stratified. Attitude of stratification is usually horizontal.
- 5. Easily erodel.
- fermeability and percently very greatly from excellent to poor depending on a point of elay and silt present.
- Jenerally forms shallow aquifers with relatively limited volume of ground water.
- Cal deposits blanket uninly the flat valley bottoms and form relatively thin veneers over the valley floor. For these two reasons Cal deposits are empecially sucentible to pollution.
- J. Flooding hazards also cuist in areas of this unit

adjacent to river channels which are covered with water when river overflows its banks at flood stages.

UNIT OUSCRIPTION

Qg - Glacial Depostis (undifferentiated)

GENERAL CHARACTERISTICS

- 1. Age: Pleistocence.
- Heterogeneous, unconsolidated scdiments ranging in grain size from clay to boulders.
- Deposits composed mainly of silt, and gravel, and cobbles with minor a numts of clay and boulders of various lithologies.
- Sediments may occur as well-sorted to non-sorted, or stratified to non-stratified sediments.
- 5. Have high premeability and porosity (good aquifers).
- Where emposed on surface, are potential aquifer recharge areas.
- 7. Perched water common in these depostis.
- 3. Highly suceptible to erosion.
- 9. Deposits may form low, rounded hills, hummocky tonography, knob and hettle topography.
- 10. Susceptible to stiding, sluming and creep where found on moderately steep slopes.
- 11. Froduces predominantly rocky soils

EXCEPTIONS

 Og deposits in Deer lodge Valley are of relatively tou permeability and would probably vield only sull a nounts of ground water.

CEFTERAL CHARACTERISTICS

- 1. Age: Pleistocene.
- 2. Heterogeneous unconsolidated sediments ranging in grain size from very fine silt $d\tilde{\epsilon}_V$ to boulders.
- Deposits composed mainly of silt and sand, and of gravel pebble, cobble and boulder sized rocks of varying lithologies.
- 4. Ogn deposits occur as nonsorted, nonstratified sediments
- 5. Have extremely high nermenbility and porosity, but are not important to ground water sources because of small area extent. (see exceptions)
- Nonresistant to erosion. Unstable on any type of slope, particularly if not covered by vegetation.
- 7. Produce predominately rocky soils.

EXCEPTIONS

- The valley of the Horth Fork of the Flathead River is covered by a substantial amount of ground morain material which may be an important source fo ground water.
- Morainal deposits on the east flamb of the Flint Creek Runge (Powell & Deerlodge Counties) exhibit relatively low permeability, hence, small yields of ground water to wells.

UNIT DESCRIPTION

Ogl - Glaciolacustrine deposits, silt and clay

GEMERAL CHARACTERISTICS

- 1. Age: Tertiary to Pleistocence.
- 2. Unconsolidated to semiconsolidated, stratified sediments. Relatively homogeneous. Are generally pule pink or buff in color and are characterized by their horizontal attitude and by alternating dark and light laminae, commonly 3 mm or less in thickness. Smooth as veryes.
- 3. Co posed of clay and silt sized detritus.

- 4. Susceptible to slides, slumping and creep where found on moderately steep to steep slopes.
- Low permeability and low porosity, extremely poor ground water aguifer.
- 6. Low resistance to erosion.
- Forms low, rolling, rounded hills. Hay be highly gullied resulting in a close spaced (fine textured) drainage pattern because of high runoff from impermeable sediments.

UNIT DESCRIPTION

is - Carbonate racks, to include limestone, dolomite and marble

GENERAL CHARACTERISTICS

- 1. Age: Precambrian, Polezoic.
- Heterogeneous to homogeneous, consolidated rock. Generally fine to medium grained. Jell stratified, massive bedding common.
- 3. Three types of limestone:
 - A. Precambrian limestone common throughout region. generally is an impore limestone (intermixed with other lithologies). Contains argillite, arenaceous and artillaceous lirestone, dolomite, some quertrite. Commonly laminated or thin bedded, but does occur in thick to commonly bedding. The cracks and minple marks also common.
 - B. Palezoic limestone Confined primarily to eastern argin of the region and to Granite, Fewell and Deer Lodge Counties. Generally occurs as our limestone or dolomite or a minimum of both. Tedding ranges from thin to thick to massive. Commonly forsiliferous. Dolomite, which is the magnesian limestone, is quite common in the Palezoic racks.
 - C. Herble is a contact sets orphic rock of linestone. Generally is white incolor. The occur as an attention product of linestone, or delomite next to Igneous intrusions. Usually, occurances are small in volume and entent.

- 4. Colors of both limestones range in various shades of gray. The Precambrian limestones may have other colors such as red, green and tan because of different lithologies within them.
- 5. Highly resi tant to erosion and landslides. Sus ible to mechanical weathering which causes talus slopes.
- 6. Low permeability and porosity. Expect low yields of gound water. Water moves through secondary openings such as joints and fractures and not through the rock idself. These joints and fractures have a small storage capacity unit may be depleted rapidly.
- Soluble in water; forms sink holes, caves, herst topography. Has interior drainage. This description is more applicable for the Palezoic rocks than for the Precambrian rocks.
- 8. Unit forms mountains, hills, rigdes and cliffs, (Nississippian Liestones are particularly good cliff formers.)
- Generally stable material for any type of construction or building.

UNIT DESCRIPTION

a - Argillite, interbedded argillite and quartzite, quartzitic artillite, argillaceous quartzite.

GEHERAL CHARACTERISTICS

- Age: Precambrica (unit belongs entirely to Belt Super group).
- Consolidated, heterogeneous clastic rocks. Generally very fine to fine grained (clay and silt sized particles).
 Well stratified.
- 3. Structural features that characterize this type of rock are ripple marks, mud cracks, salt-crystal casts, scour and fill channels, graded bedding, cross bedding in the more quartitic types, mud-chip breacic (flat pebble conglowerates), raindrop impressions and wavey laminations varying in color resulting from differences in particle size or composition or both.

- 4. Colors are numerous. This unit occurs in various hues of gray, brown, white, yellow, red, purple and green.
- 5. Tends to form blocky fracture patterns.
- Highly resistant to erosion and landslides, Susceptible to mechanical weathering which causes talus sloves.
 - 7. Has low permeability and persity. Expect low yields of ground water. Water moves through secondary openings such as joints and fractures and not through the rock itself. These joints and fractures have a small storage capacity and serve mainly as conduits. Therefore, water in this unit may be depleted rapidly.
 - 8. Connate water is also common in this rock unit. Depending on size of reservoir, yields only a fixed, limited supply of ground water.
 - 9. Forms muntains, rolling hills, cliffs, ridges.
 - 10. Most plentiful unit in region.
 - 11. Generally stable material for any type of construction or building as long as either one does not undercut the dip slope.

UNIT DESCRIPTIONS

ssq - interbedded sandstone, quartzite and argillite

GENERAL CHARACTERISTICS

- 1. Ago: Precambrian.
- Unit occurs primarily as the Pritcherd Formation in Lincoln and Scaders Counties and the "intla Formation in northern Flathead County.
 - 1. Lintla Formation Beds in lower burt of formation consist of premish grey, coarse prained discocous argulite and fine profined feldspathic sandstone and quartitie. Upper part of formation consists of premain proy, tale red, yellowish proy, takenated or illie.
 - 1. This formation exhibits flarer weathering (breaks up into rectainfular or angular stabs 1) to 100 as thick) and products extensive talus sloper.

- 2. Contains numerous salt-crystal casts.
- B. Pritchard Formation Lowest strata consist of gray brown sericitic quartite and gray brown sandstone. Locally schistose. Upper strata consist of gray and blue gray argillite. Weathers to rusty brown.
- Structures such as r pple marks, mudoracks, cross bedding, and mudchip breccia are common th both formations.
- 4. Meterogeneous consolidated classic sediments. Well stratified.
- Expect both formations to be poor sources of ground water because of low permeability and porosity. May yield some ground water from fractures and joints. Connate water may be present.
- 6. Generally stable material for any type of building or construction as long as the dip slope is not undercut.

UNIT DESCRIPTION

Igi - Plutonic (intrusive) igneous rocks, to include batholiths, stocks, dites and sills

GENERAL CHARACTERISTICS

- 1. Age: Predominately Precambrian, Cretaceous, Tertiary.
- 2. Rock types named below indicate composition rather than lithology. It should be noted that igneous intrusive rocks occur in a great variety of compositions. To describe each composition would be useless, expecially since they are mapped as one unit; they can, however, be broken down into two very generalized units:
 - A. Stocks and batholiths: (generally found on the map as the large, red, somethat circular areas). Compositions are usually granitic (granite) in nature. Three of the most common rocks are quartz monamite, grandicrite and granite. All of the red in Ravalli represents the Idaho Batholith and related bodies.
 - B. Sills and Dikes: (generally found on the map as

the red, huall, narrow, elengated areas). General compositions range from ultrabasic, to basic, to gabbroic. Common rocks found in region are diorities, dacites, diabase and aspros.

- 3. Consolidated, generally homogeneous rock. Textures are usually medium to coarse grained and prophyritic. Stretification and fracture fatterns (both are characteristic of sedimentary rocks) are absent. Bedding is massive. Joint patterns may be present, particularly in granitic bodies.
- 4. For reasons stated in number 3, emport very low permenbitity but not necessarily a low porosity. Igneous intrusive bodies are generally goor sources of ground water. In stocks and batholiths, however, ground water may circulate in appreciable quantities through interconnected joints and fissures. Dikes and sills are usually too suall in areal extent and mass to be of any importance, but would have the sale ground water properties as batholiths and stocks.
- 5. Brosional and topographic considerations:
 - A. Batholiths and stocks: Highly resistant to erosion in areas of low precipitation, non-resistant to erosion in areas of low precipitation, or semi-arid to area climates. Forms mountains ranging in form from row, ded to very ragged. Also may form rolling hills of subdued relief. Cliff former. Areas of domai intrusion may produce radial drainage patterns. Homogeneous nature of plutons may produce a dentritic drainage pattern and a uniform vegetation pattern.
 - 3. Sills & dires: Generally too shall in areal entent and mass to also any major contribution to tono-prophic features. Prosion varies from non-resistant to resistant. Where dike or sill material is zero resistant to erosion than that of the country rock, a ridge (in form of a narrow band) or cliff may form. Where the opposite is true, rectilinear decressions, gullies or ever shall valleys may form.
- Batholith and stock material is generally stable for any type of building or construction, although drainage

would present a problem because of its impremeability. Sills and diles are again too small in pread extent for consideration except locally.

Soils in batholith and stock terrain are equiposed mainly
of a granitic regolith. Very permeable and highly
porous, nonresistant to erosion.

UNIT DESCRIPTION

Ige - Igneous volcanic (entrusive) rochs, to include lova flows, volcanic breccies, agglomerates, tuffs and any other byroclastic depostis

GARAL CHARACTERISTICS

- 1. Age: Primarily Cretocious, Tertiary.
- Constillated to unconsolilated rocks, generally homoacneous.
- Root types no red below indicate composition rather than lithelogy. Roots commonly found in the region are baselt, latities, quartz latites, andesite and rhyolite.
- 4. Textures range from very fine to coarse grained. The fine grained texture is more predominant. For hyritic textures and flow structures also are common.
- 5. Lava flows may produce lobate ratterns and humoday to agraphy. Generally lack bint matterns. This type of unit usually produces irregular topography.
- Wigh perceptility and perceity, but is a poor ground water source because of internal duringer. Inconting: Tuffs form bloodest patterns and usually produce a deutritic during, aftern.
- 7. All roo' types mentioned are fairly resistant to erpsion each for tuffs.
- '. Venetation tends to be scarce on this type of unit.
 - Generally stable material for my type of building or construction once it for tuffs and other proclastic rocks.
- I. ati le no ristable on ateen stores.

GLOSS, RY

An lowerate: Mayroclastic rock containing a preducible of rounded or subangular fragments preater than 32 in in diameter.

Alluvium: The general none for all types of sediments deosided in land environments by streams.

/quifer: 1 body of permeable sediment or rock through which ground water ean move; may not yield ground water in useful quantities.

areal Artent: Horizontal area or extent of any roc' unit exposed at the surface.

areaccous: Applied to roc's containing an ampreciable chourt of sand in its composition.

Argillaceous: Applied to all rocks composed of clay or having a notable proportion of clay in their composition.

ttitude: ... eneral term to describe the relation of some directional feature in a root of a horizont. I also .

Acreole: A zone surrown ing an igneous intrusion is which contact metamorphism of the country work has taken place.

Basic: A general descriptive term for those ignorus rocks that are commartively low in silice, about 50, to 5% is the maximum limit.

Sutholith: A body of intrusive igneous sciental that covers on area larger than 40 square wiles.

Wrecein: . r.e'. made us of highly saystar, in surfer worm, coarse from onto.

Unlearerus: Containi a talv carbonate.

Clastic moche: docte consisting of particles of other roc's that have been transported by account of the dior tetre etc.

Colluvium: A general terrorotical to loose and incoherent deposits, usually at the fact of a slave or cliff

and brought there usually by gravity. Talus and cliff debris are included.

Competent: Applied to beds or groups of beds which, during folding, are able to lift not only their own weight but that of the overlying beds without appreciable internal flowage.

Conglomerate: A rock consisting of rounded, waterworn fragments or rock ranging in grain size from gravel to pebbles = and cemented together by another mineral substance.

Connate Water: Water entrapped in the interstices of a sedimentary or extrusive igneous rock at the time the rock was deposited.

Consolidated Sediments: Those sediments which have been trans-

Country Rock: A general term applied to the rocks invaded by and surrounding an igneous intrusion.

Dendritic Drainage Pattern: A drainage pattern characterized by irregular branching in all directions with the tributaries joining the main stream at all angles.

Detrital: Said of minerals occurring in sedimentary rocks which were derived from pre-existing igneous, sedimentary or metalorphic rocks.

Detritus: Laterial produced by the disintegration and weathering of rock that has been moved from its site or origin.

Dike: A tabular body of intrusive igneous rock that cuts across the structure of adjacent rocks or cuts essive rocks.

Dip: The angle at which the bedding planes of a roo': or any other planar features are inclined from the horizontal plane.

Dio Slope: A slope of the land surface which conforms approximately to the dip of the underlying rocks. Domal-Dome: An upfold having the property of being roughly symmetrical; from a given point all beds did more or less equally in all directions.

Drift: Any rock material, such as boulders, till, gravel, sand or eleg, transported by a glacier and denosited by or from the ice or by or in water derived

from the melting of the ice.

Cacies: a lateral subdivision of a ba or rock made on the

basis of lithology.

Foldspar: A group of rock-forming minerals occuring in ab-

Fedlspathic: Containing feldspar as a principal ingredient.

Fissile: Easily split along closely spaced paralell planes.

Possiliferous: Containing organic remains.

Friable: 3 Easily crumbled.

Gabbro: Generally a name for any coarse-grained, blackishgreen to green, agreeous intrusive rock. Common

minerals are planioclase and byromene.

, and a second of the second o

Gastropods: Hembers of the phylum Hollusca, componly called

snails.

Glaciofluvial: Pertaining to streams flowing from glaciers or to the deposits made by such streams.

Greiss: A common metamorphic roch that typically has a streety appearance usually with distinct light

and dar't colored bands.

Gravel: A.g. accumulation of rounded, waterword rock frag-

ments.

Heterogeneous: Pake up of different naterial or lithologies.

Hopogeneous: nade up of the same unterial or lithology.

Incompetent: Applied to beds or groups of beds that lack strength and are therefore unable to lift their own weight or the weight above without breaking or deforming in some manner when undergoing such movement as folding.

Joint: Fracture in a rod:, generally more or less vertical or transverse to bedding, along which no appreciable movement has occurred.

Kame: A hill composed of stratified gravel and,
those form is the result of original deposition
modified by settling during the melting of glacier
ice against or upon which the sediment accumulated.

Karst Tomography: Irregular topography developed by the dissolving caves, irregular ridges and valleys, and internal drainage are generally characteristic.

Knob & Kettle Topography: Hummocky landscape; Topography consisting or irregular steep-sided, small hills and depressions, produced primarily by the melting of clacial fee.

Lacustrine: Produced by or belinging to lakes.

Lawring or bedding less than 1 cm thick in sedimentary rocks.

Lens: // body of rock thick in the middle and thin at the edges.

Lithologyf The physical character of a rock.

Massive: Rock which lacks stratification or bedding planes, foliation or schistosity; Rock which has homogeneous structure.

A metamorphic rock formed by recrystallization

of linestone.

Harble:

notrin: In a rock or sediment in which certain frains are much larger than the others, the grains of the smaller size comprise the matrix.

Micaceous: Containing mica.

follust: General name applied to eximals belonging to the phylum folluses which includes gastropods, pelecypods and conhalopods (smails, clams, squif).

Out wash: Drift deposited by meltwater streams beyond active clacier ice.

Perched Water: Ground water separated from an underlying body of ground water by an impreheable layer. Perched water usually lies above the main ground water reservior.

rlutonic: Applying to igneous rock that has formed beneath the surface of the earth by solidifying from a magne.

Porosity: The ratio of the volume of openings in a roch or soil to its total volume, usually erpressed as a percentage.

Forphyritic: A textural term for those igneous rocks in which larger crystals are visible among smaller (rained material.

Pyroclastic: A general term applied to detrital volcanic materials that have been emplosively or aerially of ected from a volcanic vent. Also, a general term for the class for rocks made up of these materials.

Regolith: The layer or montle of loose, incoherent rock mterial, of whatever origin, that nearly everywhere forms the surface of the land and rests on the hard or "bed" rocks.

Shist: A medium or coarse-graine, mete or hic rock with parallel orientation of the micaceous discrets which dominate its coarosition.

Schistose: Textural tera isolyia: parallel alignment of mineral grains.

Sericite: A fine (pained variety of mich occurring in small reales.

Sill: As intrusive body of igneous rock, relatively thin consered with its lateral extent, which has been implaced parallel to the bedding of the intruded rocks.

Siltstone: Pine grained clastic rock composed of particles of very fine to coarse silts.

Slope Wash: Soil and rock material that is being or has been moved down a slope predominantly by the rotion of gravity assisted by running water that is not concentrated into channels.

Stock: .. body of igneous intrusive rock that covers less than 40 source siles.

Stratigrapyy: That branch of cology which deals with the formation, commosition, sequence and correlation of stratified or sedimentary rocks.

Stronatolites: Letinated, but otherwise structureless, calcareous objects; commonly thought to be fossil alone.

Tuff: A rock formed of co-acted volcanic fragments.

Generally smaller than 4 mm in 'diameter.

Ultra Dasic: Igneous rocks containing less than 45, silica; contain vertually no quartz or feldshar. Composed of ferromagnesian green in color.

Vitreous: Having the laster of broken glass, quartz calcite.

KEY TO SOIL ASSOCIATIONS OF LIFCOLT COUNTY

Soils of the ountains

- Coderately steem to very steem, shallow to deep, well drained soils over argillite or quartite rock of the countries.
- bteco and very steep, shallow to deep, well-trained soils over calcareous rock of the mountains.

Symbol indicates general situation, but suitability is quite variable in this unit	but s	ion,	tuat	l si	nera.	S	cate	indi	bol	Svm	
	L	L	Li	Ξ	H	0	*	E	ML	ы	Igneous
	Ħ	Ħ	Ċ	Ħ	*	Ħ.	Ä	н	Ĭ	ML	(gm/Glacial Morsine
	Σ	Z	×	Ы	ы	Ħ	Н	Ы	E	ы	Is /Corbonate:rocks
	M	н	Н	ш	# *	*ML	Σ	¥	Z W	Ħ	sal/Glaciolacustrine Dep.
	Σ	Σ	H	н	н	Ξ	ы	н	Σ	ы	Ssq Interbedded sandstone, quartzite, argillite
	Ξ	Ħ	Ξ	H	Н	H E	E	Þ	M=L	H	2g/Glacial Outwash
Land Use Plan	E	Ħ	Н	Ħ	×	0	0	Н	Ħ	田	Jajálluvium
<pre>H = high M = medium L = low O = not Adopted from Flathead County Preliminary</pre>	Develop earthquake epicenters	sənil ilusi taəmqoləvəd	Development soil ersoion	Development side slope	Development on site water supply	Development-construction in gen.	Development on site sewage disp.	Big Game Winter Range	Timber Productivity	Agriculture Productivity	Geologic Base Land Unit

riable in this unit.

Igneous

- Moderately steem to very steep, shallow to deep, well to excessively drained soils over icheous rock of the mountains.
- 4. Foderately steen to very steep, challow to deep, somewhat excessively desired soils over argillite or quartzite rock in the mountains. (Soils in this association number one, except that they are mostly in a higher rainfall area and the growing season is cenerally shorker.

Soils of the Valleys

- Undulating to hilly, deep well-drained soils formed from classial till in the valleys.
- Gently sloping to moderately steen, deep, well-drained soils formed from chaciofluvial deposits in the valle s.
- Mearly level to steep, shallow to deep, well to excessively drained soils formed from placinfluvial deposits in the valleys.
- Hearly level to moderately sloping, deep, well and somewhat excessively drained soils formed from glaciofluvial deposits in the valleys. (Soils in the association are similar to those in association number six, except that they formed in an area of higher rainfall.)

KEY TO SOIL ASSOCIATIONS OF AIMER L COUNTY

Soils on the Jountain Sloves

- 1. Andic Grycochrepts and alfic Andic Cryorthents (Molloway-Tamely Association, very cold phase): Very cold, light colored soils under forest at very high elevations on mountain crests and very steen upper clopes, over artillite and quartizite rocks. Dominated by a thin ash mangle on deen, very stony, acid silt lost and achmentaled, deen, very stony, acid send.
- Andic Lithic Cryochrepts and Rockland (Coeroch-Rockland Speciation): Cold, light colored, forested soils on very stee Fountain sloves at high elevations. Dominantly

- shallow, acid silt loca over orgillite and quartzite with associated rock outcrop.
- 3. Typic Cryochrents and Rockland (Dlackleed-Rockland Association): Cold solid of the high elevation mountain grasslands on granite bedrock. Dominated by deep, very gravelly, acid loan with a very thin, dark colored at horizon and associated rock outcros.
- 4. Typic Gryndepts and Aquic Gryoborolls (Truefissure— Vishard Association): Cold, deep soils on the forested acountain slopes over argillite and quartiite bedrock. Dominantly well drained, thight colored, moderately thick, ashy over very cobbly, acid sitt loan on steep slopes and bourly drained, dark colored, very cobbly, acid sitt loan on moderately steep slopes.
- b. Andic Cryochrepts and Udic Ustochrepts (Craddock-Drewel Association): Cold and moderately cold soils on forested, steen mountain slowes with thin ash mentle at high elevations and no ash mentle at intermediate elevations. Dominantly deep, light colored, very gravely soid silt loom soils over hard shale bedrock.
- 6. Alfie Am'ic Cryorthents and Typic Autroboral's (Panely-Coldoreek assocition): Soils on forested Acuntain slopes over argillite and quartzite bedrock. Dominantly cold, dee sight colored, very stony, sandy, acid soils with thin ash mantle on steep slopes at high elevations and moderately cold, deep, light colored, stony loan mattral soils on Moderately steep slopes at moderation of the clevetions.
- 7. Andic Cryochrests and Udic Ustochrepts (Hollowsy-Hinkler Association): Soils on forested wountain slopes over argillite and quartite bedrock. Dominantly light colored very stony silt loan acid soils with very thin ash scattle on cold, high elevation, very steep sloves and without ash mantle on corately cold, soderately high elevation, very steep sloves.

Land Use Trends:

Bureke, and Worth Jureka;

Jureka land use st	astics are as	follows;
Street Alleys	90 acres	% of total
Residential	300 ocres	36
Commercial	15 acres	2
Industrial	40 acrss	5
gricultural	250 acres	33
rublic Pacilities	50 acres	6
Vacant	40 acres	5
Total	785 acres	100

The residential property has a high percentage of old structures (see housing study) and a high evidence of non-conforming use (see map). If these trends continue there will be a general dederioration of all but a few residential areas. Since the residential area land allocation represents AO; of the total, a problem for the entire town with water and sever systems support and maintenance will develop if these areas do not renew.

Conserved area is defined by a diverse type of business enter rise as well as diverse type of business structure, with 70% of the compression area buildings being ever above as all. There is a relatively high building vacancy rate about 15%, 6 vacant lots, thus a high incidence of conservial development

outside of town in Forth Bureka. . renewal of the down town is needed to protect the public investment in utilities, a further erosion of the tau base, and over use of class I agricultural land in Forth Bureka. Industry in Bureka is limited to the Tobacco Giver Limber Company. There is a need to increase the industrial base of this area (see economic study).

Agricultur I uses are limited to South Eureba. Some cattle range and horse masture are the major uses. This area does not seem dynamic since the existing uses have predominated from the time Dureba was formed.

Vacant property is eighty percent located on thus thenty degree sloves which suggest marginal use offential. The remaining thenty percent of this land could and should be used for residential, commercial, and industrial uses.

Forth Burelia Land Use Statistics:

	Not-	1 540 meres	10)
Commercial -		1) acres	
/gricultural) se /rimary		400 ceres	.17
Residential Units -	150 anits	350 acres	/ 2
Streets and Alleys -	8.5 miles	50 acres	ercent 6

 Streets and alleys are layed out on a standard and are not accentized by the county.

- Residential areas are mixed with connercial uses and repair shows and are on high value agricultural land.
- 3) Connercial uses are scattered in some cases directly conflicting with residential uses. These new conversial areas are contributing to the general physical and economic decline of the down town Sureka area.

Remford:
Remford land use statistics are as follows:

Use	domence	. of Total
Streets	10	17
Residential	25	42
Commercial	2	3
Public	15	25
Vacant	0	13
Total	60	100

Residential development is incroving through personal and public effort. One area at the south east corner of tourn is in non conformance with local deed restrictions and the state junk car law.

Commercial development is consolidated with a deed restricted area. However, if there is no further industrial development such as the Reifford Bench Recreation area or some light industrial use, the connercial area will not develop further. The extent of the vacant trea in Remoord about 15 of the total area and about 30, of the commercial and residential areas, indicates that Remford must increase lot use to be able to maintain services in the long run.

Lincoln County - Community Areas;

Fortine - has general store, chain saw shop, a Dar, church, school, bost office, as small mill and about 30 residential units. Ho trend dynamics. Some residential structures need incrovement and the water system needs repair. The large 1600 acre subdivision 6 miles south west of Fortine is not expected to develop unith after 1985.

Trego - has general store, garage service station, community hall, most office, school and mobile home mark. The mobile home park is about 2/3's empty due to completion of the railroad tunnel. There is no collection of standard dwelling units.

Stryker - has general store, post office. We trend dynamics. To collection of duallings to exceed 4 units with in a 660 feet diameter density.

Yeak - Sylvenite - s: 11 store, several here, sext office, and two schools. Trent dynesics indicate substintial increase in subdivision activity in the lower Yeak. There are urable as with semitary restrictions on lots in flow plain of the Yeak River.

Lincoln County General:
Lincoln County land use statistics are as follows;

	hereage	Percent of Total
Total Acreage	2,377,600	100
U.S. Government Forest-Reservoir	1,753,600	73.75
State of Hontana Stillwater Forest School Sections	66,330	2.79
Large Forest Industry	322.618	13.57
Small Parcel Land Owners	235.168	2.2
Intal Loreage	235.168	100; -1.9
Orben and Subdivision (under 10 acres)	14,000 (up 2000 acres from 1970)	5/: 05,
Timber	147,024	63, <u>-6</u> ,
Cro) - asture Range	74,144	32, -3,

(Small parcel break-down)

Two major trends are combining to affect shall land parcosl and the resource hase. The first is the taking of over 25,000 acres for the Libby Dr. section 12 the reposed taking of 12,000 additional acres for the range. Both of these against tions of private land are severly restrictive of the native resource and preclude integrated mblic use. The second trend is vast subdivision

of timber resource and. This providing an increase is land vailable for development "recreational" type subdivision severly restrict resource maintenance and development. Further unless there is a <u>real</u> increase in the industrial and commercial base of the county, residential development will not provide even half of the tax support needed to fund the schools much-less other services.

The areas that have been subdivided and are in the process of being subdivided are shown on the land scape unit way.

, trend to reduce private economics use of the national largest coupled with the above monitoned trend to subdivide wrivate timber resource land will reduce wood products industry.

an expending need for gineral resources will simulate local exploration on the international markets and development of persinal to good mines.

ecrention:

bure a Census district - bocal abblic Facilities;

School Grounds - (6) slides, swings, but le bors, fields, trad-tennis curts,

- Amporina

Riverside Parl. ichie troles, w.ter, fire et mis, restroms, shovers

restored general store (c'hurch school train station being re-Historic Villiage stored) swings, slide, teter totor, uater picnic tables, water . emorial Park little league b. 11 field Old Pair grounds (proposed capping - picnic) Fonderosa Part State of lostons michic, restrooms, fishing, boating Car enter Lake pictic, restroom, fishing, So this halte boutin. fishing access Loon Lake fishin: Lakess arl Lake carping, fishin access Glan Late U.S. Porest Service campin_, picnic Carr 32 _____ lock Lake Little Therricult Lake comming. ca ming, picnic, bosting Bir Therriault Lake carding denic, coating bouth Dickey Lake cruin, iomic, booting orth Jickey Lake or ping, cionic To Creet crivate - Convercial _____ wouling . 11ey bootin, coming, cobins bull Lake tesort

ovatein View Tarch Outfitters hunting, horseback riding, on the recreational vehicles, horsebad Lazy JC Atach Camb - KO. riding, fishing Crystal Lake Resort fishing, golf, swimming, notel Libby Census District - State of Nontana; Savage Laite Dienic, fishin Crystal Lake micnic, fishing general recreation U.S. Porest Service Timberlane carin, ionic Pleasant Valley co bing, bienie Fouard Lette campit, picnic, bonting caming, denic easing, denie, booting cGillivary rivate Commercial St. Re. is' carina, ionic t) Ol. Lions Can eride, ichie 2) Libby Cree's Camp Ground er mi., pienie 3) Carnican Caro Crown! Libby Archery Club : cquet - Swin Club _____

Sale Omeron

dishim, pichic

Cabinet View Country Club colf

Jouble H Ranch fishin... Dicnic

Ben Baenen - Outfitter hunting

Hamy's Inn swimming, Dienie

Cibistle Ston camina Glen Lechrone - Outfitter hunting Squar Croek Outfitters

l'utt - :'utt miniature golf

Troy Consus District - Local Jublic Pacilities;

School Ground (except Troy's) - (3) grounds, swings, slides

1.b. Forest Service

hunting

Caribou camin, icnic Pete Creek ca min ", oicnic Uhitetail casoins, picnic Red Too caring, michic Yack Falls cam ing, picnic

Kilbrennan Labe caroing, picnic, boating

ca ming, michic Loon Labe comming, michie ther in Cres. caming, michic

- raer ountain ski crea

Dorr Skeels cambing, micnic, boating Shar bake coming, sionic, boating

Bad redicine capin, richic, boating doss Grock richic

Private Commercial

KOA Congrounds recreational vehicles

finneman's fishing, picnic

Recreation Introduction and Goals:

"One thin, planners Jon't need to do is organize our recrection for us."

Octdoor recreational opportunity emists to a legree that is a paralleled in Forthwestern contains. There is no way, save the hadmied formulas used in "city" planning, to use estandards for rural recreational opportunity in Lincoln County.

. Too le live here because the recreational operaturity that satisfies them wort, abounds. I "goal" to reduce "improved" or damed facilities, at least for local citizens, has been voicel most often at public meetings. For besides the listed recreation sites there are literally thousands of opportunities

for unrestricted recreation. Pishing in over a hundred rivers and streams and over sixty lakes, hunting in thousands of square miles of wooded terrain, hiking, camping, waterskiing, snow skiing, ise skatin, all need little formal planning to be enjoyed. The local recreational goal is fulfilled, therefore, except for the "over crowding" of the places where we used to be along and in connection with nature.

The problem of having more than enough recreation, but enjoying it less because of a reduced quality of emperience, does not <u>yet</u> relate to number but to care. Care should not be a "standard" but a philosophy to be followed. Therefore, if we care for the places where we recreate the supply will be adequate beyond 1935.

Jure'to Census Division

Local rublica

Field observation of the school sites on a day - night basis from fall to winter - to spring indicate that at no time were the facilities over croude. The reduced school oppulation suggest that even the existing marginal use efficiency is declinin. Linter use of the gymnasium is comparatively beavy, however, there are several nights a week of no use.

tiverside Park, a city park, located on the Tobecco River acar toun hall is used by tourists for over-might stops. This

park does reach maximum canacity for about 8 weeks in July and august. A recent expansion of the park by the addition of four sites should eliminate crowding. A plan for a sheltered cook area will further expand this facility. By additional expansion must take place on the south or west side of the Tobacco River. To expansion is proposed until after 1980.

Mistoric Villa a and memorial mark are oriented toward one hour visit use. We indication of overuse is amarent. Visitor hours rated at below 400 per day suggest that the antici ated capacities will not be reached until after 1985.

Ponderosa Park - no use - denned use for 20 michic tables a covered cook area, a play area, and 10 carer trailer spaces will begin to be implemented this year. Condition of this project is scheduled for 1976.

State - Federal:

Five state and seven federal improved public recreation sites emist. Discussion with state and federal elents and a review of available statistics indicate that no expansion is being alamed at this time. It sites are considered adequate encept a section of the forth Dickey bake site. "Improved sites require more care than the present use should account the most common statement. Inclind, in the above common, it a suggestion that less formed site improvement and less to mist

Private Connercial;

Except for the bouiling alley all other co mercial recreation is offered on a seasonal basis. Discussions with everal of the owners indicate that income derived from their recreational business is not their major source of i come. All owners indicate when to expand their facilities. However, use statistics indicate that July is the heavy use wonth for travel related recreation and Spring and Fell is the best for outfitters.

Libby Census District

State - Federal;

Three state and nine federal recreation areas are sited in this cens a division. No over use or planned site development is reported. Gillivry, the new camprounds of the Tooccause reservoir has received some use but certainly not over use.

Appearsion of the total recreational opportunity for water oriented sports on the "labe" could stimulate enlargement of the ToGillvary area.

rivate Commercial;

The staff recommends that monies allocated for study can be better spent by doing a wrimary level inventory of U.S.

Righway "2 oriented conserved recreation during the late fall of 197%. Increased use of these facilities is a sected during the EATO year, and detailed investigation this fiscal year will have marginal value. F. 75 investigations will offer considerable insight into the meaning and inticipated impact of the Coros of Engineers rejections for the Libby Dr. Recreational draw potential of 500,000 visitor days ser year.

Existing commercial recreational Dusinesses operate seasomally and as secondary incomes for the owners. Expansion seems predicted on Koochusa Jevelo ment.

Prov Census District

Local - Lablica

Yash area schools report need for additional indoor - winter oriented - repressional opportunity. There is a need for a symmetry in the Sylvanite and Yash schools. .. broket-call court size is considered in adequate standard.

Federal;

There are no state recreational sides on this celevas division, however, 14 federal sites certainly make vision the U.S. of state alog areas. The Yash area and the Bull Lake region sites are well used, however little over use, energy a form. Sheels is recorded. To site our main is an asset.

rivate Commercial;

again Yeak River - Bull Lake oriented. Seasonal and partime work. See economic study for more information of private Commercial Recreation.

Conclusion

Local - Public:

Except for the Yeak area and Renford's Fonderssa Park, no expanded need is projected until after 1985. The facilities, for the most part, are fairly new because of the U.S. Corns of Engineers dollar imput for Libby Dan impact on schools. Use statistics show that formal play areas are little and after school hours. Organized swamer and winter sports leagues are active but do not over-tar the facilities.

Proposed:

.. complete re-evaluation of the federal was osals for the Libby Dam - Koocanusa Reservoir Recreational (se must be under taken. Morest projected use staistics have not proven close to the Early.

The "Proposed Aublic 1 se Plan for Libby Dan and Make Moo-canus, Johnson miblished by the U.S. Porest Service, listed Fit, Priority ON RECRIPTION AND For initial development and PIPTED, PRIORITY CON RECREATIONAL ARRAS for future development. Detailed site by site descriptions were written into the plan.

No development, except ic Gillivary has been built and only one other Cripble Horse Creek, seems likely to proceed with development. If the cost-benefit ratios conducted by the US Coros of Angineers to justify the construction of Libby Dam are to be valid, additional capital costs will have to be incurred to support the anticipated recreational demand. For the key to successful consercial recreational expansion in all areas of the county is a successfully developed recreational opportunity on the "Lake".

The town of New Remford was built because notenital citizens were "reasonably confident" of direct federal investment on the Remford Bench to implement the <u>Federal Plan</u>. If plans to offer substantial recreational opportunity are to be abandoned, then the cost-benefit ratios must be changed and some other method of mitigating the loss to local economic potential must be indepented.

reliminary Land Use Recommendations

Eureka:

- Residential 1) Macourage support of incorporated town by developing local service and governmental or-
 - Reduce nonconforming uses by encouraging commercial and industrial development to contralize.
 - Uncourage the sale and construction of houses on vancant lots within the town limits.
- Compercial 1) Increase downtown parking areas, particularly for recreational vehicles.
 - Encourage new business to locate down town by discouraging convercial uses in residential areas and in Worth Burelta. Tax incentives should also be explored.
 - Renew old and delapidated stuctures by establishing a theme or design style (historic village).
 - Develop vacant lots for parking or garden reat areas for citizens and tourists.

Industrial Encourage the railhead area use:

- 1) By secondary wood products industry,
 - to laminating and trim
 - b. chimboard
 - c. resto logs

- d. nole yard
- e. wood waste conversion to eletrical mower.
- By agricultural processors and trans-shipment users.
 - a. abbatoirs (slaughter houses)
 - b. hide rocessors
 - e. tallow works
 - d. alfalfa bellet mill
 - e. ag. equipment surply
 - f. bull fertilizer supply.
- 3) In the area adjacent to the river on the west side and north of the 76 bulk plant, locate light industrial uses such as,
 - a. electronic component manufacture and assembly
 - b. high shill crafts men
 - c. computer centers (hydro-electric mover reliablility).

Agriculty poliuses - frintein as floor as possible. The location of these uses add such to the entrance impression of the town.

Forth durch:

Further residential development in this area should be discourated until the torm of Jure's is fully developed. Street and utility service should be improved by the formation of a county improvement district.

Commercial movement to this area, if not curtailed, will eventually replace down town Eure'ta as the retail trade center. If this is desired, then some other use must be established for the Eureka down town, or the public investment in services will be lost. Agricultural uses should be encouraged because of the high soil quality.

Remford;

Residential - The vacant lots <u>must</u> be filled before Rexford will become even marginally viable economically. Services, capital items, and school takes will rise beyond the ability of the local property owners to pay, if the tax base in Rexford is not improved. The town deed restrictions plan is adequate to regulate land use if the plan is enforced.

Connercial - Development needs people to buy products. No expansion of the capital investment in this area is predicted until the derivation Bench Recreation area is extablished, the town vacant lots fill, or there is some substantial new industrial or residential area built within the trade area. Since the Rexford trade area is small, and area residents trade habits have been formed, quality service is the best method for retaining local expendable income.

Industrial - Although no area presently emists for industrial development, the staff recommends that either an area near the west boundary of town be designated for <u>light</u> industrial use or an area east of the school be so dosi mated. Limited service line extention favors the west location and case of access and the wind direction favors the east location. The wind direction should be considered

if noise, smoke or fumes are a factor of the new industry.

County Community Areas:

Since the completion of the rail tunnel south west of Trego the entire area south east of Aureke to the County line has stabilized physically and economically. The staff recommends that these communities plan for moderate residential increases and retain as much of their present character as possible.

The Yack area, because of the narrow linear nature of private land ownership patterns, most of which have frontage upon the Yack River, must beware of over developing the land and destroying the fradgile nature of the alpine environment. Recreational development seems reasonabled here but simplistic land development schemes will soon destroy the things that make this area unique and desirable. The staff recommends that all reacreation developers, both residential and commercial, use the services of the local planner before the land is further divided. Planned unit analysis should occur for the best economic as well as physical development of this area. The staff also recommends that the open private lands in the upper or eastern Yack area reach in forest use acreace.

County General Land like Recommendations:

- Declair a moratories on recreation subdivision until associal studies can be conducted by the state and county to determine their true impact.
- 2. Detail local involvement in the U.S. Morest Service
 Thanning process to the end that the economic inpact of

each plan can be determined and continually monitored.

3. Encourage more efficient use of timber and agricultural products and resources through equitable taxation and provision for less product waste.

The enclosed town maps, and the map entitled Land Scape Units, proposes land use within the limits of the private ownership areas.

Since emisting land use use is constantly changing non-reproducable work maps are maintained showing specific land use. These maps use a four digit code and it is anticipated that computer display of this information will be coordinated with the state or region.



THE END

Let's discuss it

APPRIDIX A

Public Education and Information

Presentations to:

- (1) Tobacco Valley Improvement Association
- (2) Tobacco Valley Grange
- (3) Eureka Senior Citizens
- (4) Eureka Hospital Association
- (5) Tobacco Valley Land Owners Association
- (6) Dureka Town Council
- (7) Remford Town Council
- (8) Libby City County Planning Board
- (9) Troy Improvement Association

Special meetings - April, 1974

- 1) Fortine 20 attending
- 2) Eurelia 15 attending

Mews Releases and Reportin :

A total of 12 articles appeared in the Western Mews and the Tobacco Valley News concerning Planning related activities.

24.0113

Current Planning and Referrals

The following are documents supporting the staff effort to assist local government

A Junt Car Plan was written - and is presently being revised. The documentation if available when this plan is printed will be attached to this section.

SURJEAN ASSISTED ATTOM STUDY

The area north of Eureka was studied to determine the feasibility of annexing approximately 350 acres. The subject area is bounded by the Toum of Lureka to the south, to the east and west by the lines of sections 11 and 14, and to the north by the line of section 11 all in township 36 north and range 27 west. The total area was divided into four sub-areas for study, based upon a pre-liminary review of each units tamable evaluation.

Annexation Recommendation: The staff recommends that the area known as Midvale and an area of the Stevens subdivision between 9th and 11th streets be annexed. The mitigating reasons for this recommendation are that 1) Town of Jureka water is being provided to Midvale, and the average per unit assessed valuation is close the average for the Town of Jureka.

The Stevens tract improvement requirements and the low assessed value per unit make this area undesireable for annegation at the present time. Although unit value is comparatively high in the area north of the Stevens subvivision, the distance between units and the uncertainty of further developmental patterns suggest a requirement for the over capitalization of water and sewerage service by the town in order to provide this area with any town services.

Anneration Policy Recommendations: A town is formed because the increased population densities found in a community setting provide for certain economies of scale for both public and private services. The people that live outside of the boundaries of a town enjoy many of the advantages of these economies without the disadvantages of having to pay in-town terms.

Benefits such as: 1) nearness to torm public and private conmercial services, 2) extensive free use of torm streets, 3) torm water availability, 4) nearness to torm parks, schools, and playgrounds, 5) private utilities; cable TV, moderate telephone, and electricity rates, and 6) locally based law enforcement, are all available because the toum is near. Advantages accruing to commercial and semi-industrial establishments, because of their lacation next to the center of conferce represent major benefits.

Town ammentation of an area will provide increased services and benefits including: 1) water and severage service, 2) direct locally enforced law protection, 3) street improvement and maintenance, 4) fire protection and a 20, to 30, reduction in fire insurance rates, 5) the ability to elect local officials who answer directly to the local electorate.

The town council should establish a policy of actively teeting annexation of those areas which meet the criteria of town comparable unit valuation, and with a population density not less than two units per acre.

TAX STRUCTURES AND POPULATION DESIGN BY AREA

HIDVAL

Fuenty units on ten acres equals two units per acre with an added population of 60 persons. Potal collected tam equals (1738.46 and per unit average tam of (82.00). Street and alley mile; is 1, files which should produce about 710.00 in Gas Tam revenue for a total added revenue of (2,440.56).

STEVETS BLOCK (Shown on attached pap)

Mighteen units on mine and a half acres eguals two units or acre with a population of 50 persons. Total collected the eguals 1306.10 and a per unit average that of 473.00. Street and alley milege is 5 miles which should produce about 237.00 in Gas Tam revenue for a total added revenue of 4543.70.

ST WERE SUDDIVISION

rifty units on thirty-eight cores equals one unit for every 3/d acre. The population is 160 persons. Total collected tax equals 2424.36 and a ser unit average tax of 25.00. Street and alley miles is 2.5 miles which should produce about 1104.00 in Ges Tax for a total added revenue of 2449.10.

RUNALIBER OF STEDY ARIA: Thirty-four units or 750 acrss equals one unit per 22 acres with a population of 220 persons. Actal collected tax equals 2708.81 and a per unit average of 80.00 Ten commercial units on 50 acres equals one unit ber 5 acres. Total collected tax is 2422.36 with average per unit tax of 242.44. Thirty trailer units on 13.42 acres tax equals 287.51—grand land tax total is 5420.68. Street and alley milage is 4 miles which should produce 1890.00 Gas Tax revenue. Overall tax totals 7310.00.

STUDY AREA TOTALS:

- 150 residential units
- 12 commercial units
- 30 trailer court units
- 490 neonle
- 9671.93 total land tax
- .4000.000 total Gas Tax.

Cost By Service

HIDVAL3 -	Fire	Leu	Parlia	Roads	Sewer :	later
	facilitie and sever vice will take care of this	sfacilit- ies and service will take ca- re of this	subdiv- ision law requires 19 acres	charge 7 3000 gas tan provides	line cost	and service supplied
ADMINISTRAT- LON MINTENANCE	ony of in	show economy of increased scale	ner year	er year	in exist- ing bud- get	in exitting budget
TOTALS				64.50 per 21.30 per		

STEV HIS BLOCK	Fire	Law	iarks	loads	Sever	Mater
	facilit- ies and	existing facilit- ies and service will take care of	division law re- quires 9.9 acres 12000 1000 per user	cresurface 2000 gas tax provides 237.60 need		existin5
ADMINISTRATION NAMPTENANC.	economy	of in-	50 per year 200 per year	100	existing fee schedule	

TOTALS CAPITAL COSTS 11.762 or .500.00 per unit YAARLY COSTS .360 or .20 per unit

1 - High	LI	HCOLH COL	JULY	\	
2 3 - Mediumpriority	POILLE	USI PRIC		1	
4 5 - Lou		BY SOUR			
	soline	Diesel	Heating Oil	.llectricity ²	lood
Road Construction (1)	3	3			
Cooling	5			5	
Hesting			1.	3	1
Inspection	2			2	
Lighting		2		1*	
Repair Roads(1)	3.	1			
Remair Mainten- ance equipment				1	
Snow removel and sanding	1	1			
Courthouse *Travel(3)	3				
Cooling				3	
Equipment Repair-maintenance				1	
Equipment Use				l	
Heating			1	2),	
Inspection				2	
Lighting				1*	
Naintenance Building					
Haintenance Grounds				3	

- 1 Road construction and repair shall proceed according to the select system of county roads. Construction priorities shall be according to the State of Hontana Highway department's General Highway map for Lincoln County as follows
 - .ighest Priority:
 - 1. laved Roads
 - 2. Bituminous Road low type
 - 3. Oil Penetration surfaced road
 - 4. Gravel or stone Graded and drained
 - 5. Gravel or stone not graded or drained
 - 6. Soil surface road graded and drained
 - 6. Soil surface road got graded or drained
 - C. Unim roved road
 - 91 Primitive road
- 2 Electricity use for lighting can be reduced by lovering the illumination in areas where reading or equipment repair concentration is not required. Lights should be turned off in unaccounted areas.
- 3 A travel roster will be maintained in the clerk and recorders office and any person taking all day or multi-day trips, within or outside of the county, shall enter name; destination; time of departure; and return; and number of rider spaces available.

 The Sheriff's department shall be excluded from this requirement.

HAIORNEDUN

TO: KOOTEHAI HATIOHAL POREST PLANNING STAFF

PROTE LINCOLD COUNTY DUITED PLAINING BOARD STAFF

SUR LICT: UEST KOOTEMAI PLANTING UHIT /9 ALTERNATIVE LAMAGEMENT

DATE: Sentember 27, 1973

General

The county planning consistion has authorized it's staff to comment upon all Forest Service Planning Unit Studies. This memo is directed to the West Kootenai Planning Unit "9.

First: it is the opinion of staff that the description of e ch planning unit must relate to a heirarchy of changing priorities at the national regional, and forest level in order to give such descriptions meaning and content.

Emample: the variation in the required timber harvest is directed by the national office re: The Himon Administration's attitude on the Mations Porests - Gongressional Record - July 28, 1973 - S-14955-60

Second: inter-planning unit relationships must be defined in order to develop an awareness for the likely results or influences that planned or catastrophic actions occuring in one unit will have on other planning units.

Drawnle: the "management guidence" on the water resource phase of the lareka Graves Greek Unit '2 will have invoct upon the water management in Alkali '33, Finkham [18, and West Lootenei '8, since the primary water source for the Tobacco River heads in Unit [2. Further, other interrelated systems such as road ways, air, land use, and recreation may have potential for similar influences and should be keyed to the "source" unit management decisions.

Page 2 LCUI - USFS memo Sert. 27, 1973

Third: a standard system of analysis, would if carried throughout the recommendations, add continuity and clarity to Forest Service recommendations.

Emanule:

Existing Characteristics

- timber and forest products (floral types rare and endangered species)
- B. range management agriculture
- C. fisheries/wildlife (faunch types rare and endangered species)
- D. recreation
- 4. minerals (solid topographical and reological features and limitations)
- F.1 roads and trails (empanded to all roads ie. State Huy ,37) G.1 (air climate macro micro)
- II. special uses
- I. (human habitations and cultural patterns)
- J. (industrial uses)
- T. (aesthetics and human interest)

Mach of the characteristics should be clearly and separately defined in each management unit and the alternatives that are offered should be concerned with each characteristic rather than vice-verse.

Sub-example 1.

1. 0	LYURHATIVU TILBUR USU			PLUS C		OB.	n real rul			TI UNIT US		
	1.	LSJ DJFIR	ITION desc.	2	3	2.	5	6 7	1 5	1.9		
	2.	11		ŧ .						1		
	3.	11		i						:		
	Subjective rotary scale		economic project:	yearly to include economic projection and formula		ir al	yearly include alternative formula					

Page 3 LCUPB-USFS mello Sent. 27, 1973

A system of cross referenced impactors can be used to create the alternative use definitions.

Sub-example 2.

A. Timber: Use Definitions B. Range Use C. Stc.

а.	Biological	1.
		2.
	Controls	3.
b.	nodi r ied	1.
		2.
	habi tar	3.
С.	Alteration	1.
	å ground	2/
	cover	3.
d.	Stream	1.
	Control &	2.
	flow modifications	13.
е.	dto.	1. 2. 3.
		<u> </u>

It is "ossible that this method of "alternative" presentation would fall within the direction for "alternative" use by the national Porest Service office.

Page 4 LCUPB-USFS memo Sept. 27, 1973

Staff recommentations based upon Forest Service Format

General

Confusion arrises from the lack of uniform presentation method in that alternatives are not strictly comparable.

Recommendation: Alternative "A" with the second paragraph of "B" raplacing the second paragraph of "4". Recreational emphasis in certian management units will ortimze economic integration of this area.

Hana; ement unit /1 recommendation "A"

<u>"</u> 2	пуп	H.C.
3	nV n	
:/.4.	11/2 11	
15	n-n	
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.,7	пдп	
	$\mathbf{u}_{f_{\lambda}}\mathbf{u}$	
40	пЭп	

Omissiona:

Flan does not include of Corps of Engineers plan to support the State of Contana Department of Pish and Game's plan for the narray Springs fish hatchery. Also omits soil conservation district study for use of Hooceanuse water for irrigation.

SUGGESTED UNITE FORMAT FOR THE ECOTEMAI HATIOHAL FOREST PLANNING UNIT STUDIES

1. The staff of the Lincoln County United Planning Boars hereby recommends that the planning unit studies presently being developed by the Kootenai Pational Porest's Multiple Use Planning Staff be out into perspective by defining the heirarchical and peer unit interrelationships that seem necessary for detailed analysis and understanding.

For example: Since National, Regional, and Forest level resource allocation priorities are dynamic, some method for defining this changing impact on local resources is needed to give the proper background for decision making. Inter - forest, forest - planning unit, and inter - planning unit dependencies should also be illustrated so that local appreciation for the wholistic approach to problem solving may be developed.

2. It is further recommended that the Forest Service condider the us of a miltiple phase planning unit presentation in lieu of the A-B alternative plans that are presently being employed. We feel that by using a multiple phase presentation each planning element of the unit study can be designed to receive public imput while at the same time providing for the continuing refinement of analysis techniques.

For example: In lieu of the existing A-3 choice the general public and governmental agencies will have an opportunity to respond, using a standard formet, to any part of, or all of the unit plan.

3. The method of planning unit presentation by the Forest Service, therefore should, in our opinion, be coordinated with the method for receiving comment by the interested publics.

Tlanning Unit Umput Format - Continued

For example: A one-to-ten impact scale that is backed by the systems analysis already developed by the Forest Service that is presently a matrix format seems a sound method for portraying inter and intraelement relationships. The public imput system could then exactly duplicate the Forest Service persentation model by remonding with the same numerical value system. Each number value would be qualified (weighted) by the support documentation offered by either the Forest Service or the public. Subjective and objective totals could then be computed and set in a scale for future reference. This scale will offer a continuing guileline for program refinement with increased objectivity as the goal.

A so ple matrix design is attached which offers a limited insight into the proposed presentation-comment system.

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I. Timetable for meeting law requirements

The attached "Junk Car Study Plan Work Program and Budget" is completed with the submission of this check list. The timetable for accomplishing the elements of the plan are as follows

Task I Mapping - scale 4 inches to the mile USGS quads show all junk car locations outside of the incorporated town limits. Available town maps show junk cars within town limits.

The maps used are field maps and non-reproducable, but subject to inspection by interested parties.

- Task II Field Survey This survey was accomplished as part of an overall land use survey. Each junk car was identified in the following manner: JC-1 equals one junk car JC-+4 equals four or more Junkers.
- Task III Violation List Using county records the field mapping is being correlated with owners and addresses. A priority assignment is given JC-+4 in order that the nore critical problems are being identified first.
- Task IV Short Term Plan The county owned site that formerly served as the Troy area dump will be used to stockpile vehicles from the Troy, Bull Lake and the Yaak areas. The leased sanitary landfill at Libby will be the collection point from Libby and south along Highway #2. The Dureka landfill will be used as the "graveyard" for the Tobacco Valley. Auto Graveyard site management

Screening - The Libby and the Troy sites have private access roads and can not be seen from a public road because of existing natural screens. The Eurela site is shielded by natural features except for a short length (150 yds) of newly constructed elevated road way. Because this road is in the process of being completed the feasibility of constructing a permanent fence is limited by the process of road settling. Problems of snow removal will also be compounded by the placement of a fence. A temporary test snow fence, or other screen will be used until a permanent fence or other screen is possible.

Lincoln County Junk Car Plan continued.

Record Keeping - A release form signed by the owner or the County Sheriff and initialed by the County Assessor will be collected at the graveyards by the attendent, at the car pickup point by the retrieval operator. These forms will be kept in the Office of the Project Director.

Log sheets will be kept at the sites and each car deposited will be recorded on these sheets. A description of the vehicle and the original location of the car will be recorded. A number corresponding with the log sheet number will be painted on the car for positive identification.

Action Plan

Using the violation list all major junk car yards and places with four or more vehicles will be notified by mail or by personal contact of their oblication under the law. Compliance will be requested within a time frame that relates to the individual case. For example: large established yards with substantial screening to be accomplished will be given 90 days to complete screening. A 30 day requirement to remove vehicles or screen will be given to most other violators. Licensing will be required within 30 days for all of those in violation.

A media compaign will be developed to reach the general public and the people with three, two or one junker. The media release will detail the requirements of the law, the location and hours of operation of disposal sites, the telephone number of the Project Director, and offer free pickup of all junkcars in Lincoln County.

Dased upon the response to the edia effort, based upon the number of cars and the original locations of the cars being brought in, an evaluation of the program will be under taken in six months. If the program is deemed a success a decision will be made about the degree of field enforcement of the law.

Field Pickup

The County Canitarian will be the Project Director and his office will be the contact point for the general public, affected citizens, and the retrieval vehicle operator. A field pickup schedule will be developed using the information gathered during the first two weeks of calls and personal contracts.

Lincoln County Junk Car Plan continued.

A reconditioned county truck will be turned into a retrieval vehicle and a surplus trailer will retrieve three to four junkers at a time.

Task V Long Range Plan- The long range plan will be flerable according to the success of the pickup system. If at the end of the first six months trial period the project is deemed a success, field pickup will continue for two years. If limited success is experienced an intensified media program and individual and mail contact will be initiated. If the intensified effort is a success the two year target date will be maintained, if we are not successful the free pickup service will be discontinued.

After the two year program is completed or if the six to nine month program fails, emphasis will be transferred to the individual violator's responsibility to comply with the purpose and intent of the law.

The long term budget will emphasis individual grave yard development to increase efficiency, intersite consolidation of vehicles and enforcement of the law.

ACTORDIA C Economic Base Questionaire

This questionaire represents a method for undating economic base data.

The local Employment office and the County Welfare office offer continuing employment statistics. The Information systems Bureau of the State Department of Intergovernmental Relations also publishes regular economic data.

Ho formal system for updating economic data is presented herein because there is a presentation for the creation of such a system by the Western Hontana Regional Planning Association before the nine counties.

ECOHORIC BASE CUESTIONAIRE

- 1. Mame of organization, local and wain office locations;
- Number of units of raw material processed by your plant annually (board feet or tons)
- 3. Principal products listed value added to each product in percentage figures from non-processed raw material or by gross value added (all products together).
- 4. Principal variables used to predict future activity patterns:
 a. Automation; increase, decrease
 - b. Future manpower needs; increase, decrease
 - c. Change in Processing techniques
 - d. Change in products
 - (1) primary
 - (2) secondary
 - (3) resource base
- 5. Sources of major goods and services;
 - a. import goods and services from your own or integrated company (percentage of total)
 - b. inport goods and services from other suppliers by location (percentage of total).
 - 1)Lincoln County
 - 2) State of Hontana
 - 3) Hotrhwust U.S.
 - A) Southwest U.S.
 - 5) North Central U.S.
 - 6) South Central U.S.

ECOPONIC BASE QUESTION IR1 - continued

- 5. ъ.
- 7) Fortheaat U.S
- 8) Southeast U.S.
- reduction output by product and destination or by gross product distribution;
 - a. Lincoln County
 - b. Lontana State
 - c. Horthwest U.S.
 - d. Southwest U.S.
 - e. North Central 1.S.
 - f. South Central U.S.
 - g. Mortheast U.S.
 - h. Southeast U.S.

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